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 <212> DNA
 <213> Homo sapiens

<400> 767						
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<210> 768
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 768						
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<210> 769
 <211> 531
 <212> DNA

<213> Homo sapiens

<400> 769

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<210> 770

<211> 1072

<212> DNA

<213> Homo sapiens

<400> 770

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<210> 771

<211> 1271

<212> DNA

<213> Homo sapiens

<400> 771

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gaaaaaaagt	c					1271

<210> 772

<211> 1017

<212> DNA

<213> Homo sapiens

<400> 772

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<210> 773

<211> 980

<212> DNA

<213> Homo sapiens

<400> 773

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<210> 774

<211> 1224

<212> DNA

<213> Homo sapiens

<400> 774

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<210> 775

<211> 1232

<212> DNA

<213> Homo sapiens

<400> 775

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<210> 776

<211> 708

<212> DNA

<213> Homo sapiens

<400> 776

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<210> 777

<211> 446

<212> DNA

<213> Homo sapiens

<400> 777

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<210> 778

<211> 416

<212> DNA

<213> Homo sapiens

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<210> 779
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 779
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<210> 780
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 780
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 tgatcgtgta ggaagagggc gtccaggatc tgggacatca ggggttgaca gcctgtctaa 360
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<210> 781
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 781
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 acatccccctg tgggcacagc ccgcgtgctg cagctggcct ttggctgcac taccttcagc 180
 ctggtggctc accgggggtgg ctttgcgggc gtccagggca cttctgcat ggccgctgg 240
 ggcttctgct tcgccgtctc tgcgtggtg gtggcctgtg agttcacacg gctccacggc 300
 tgcctgcgge tctcctgggg caacttcacc gccgccttcg ccatgctggc caccctgcta 360
 tgcgcgaagg ctgcggtcct gtatccgctg tactttgccc ggcgaggatg tcccccgag 420
 cccgcccggc gtgctgccag ggacttcgcg ctggcagcca gtgtcttcgc cgggct 476

<210> 782
 <211> 753
 <212> DNA
 <213> Homo sapiens

<400> 782
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 ataattttta tactcttctg catttgctaa atttcctctc attagcaggt tataccttta 180
 tgatcagaaa aaaaattaaa cactgcttct aaaaaatact catctccagc acttgagat 240
 cacctacctc tacattctac ccaactgagc ccaatttagt cttctcaggg ctttgcccaa 300
 gaacagttca ggaatgcatg cctctgaagg ccttcctgct cttccccctc tggccttggt 360
 atctcattct cattcctgcc ctccccctacc tctccaaccc catcacttgc cagccatcct 420
 gttcttcctt gttggtcatc agttaatgaa gtgtattagg tgacctgagt acttgtcagt 480
 acttcccaga ggcaagaaca ttectcgcag atcaaggtag ctttaagagc caagaagctc 540
 agatttgag gcgggagagc tgtactgcat cccctcaaat gttagcagtg ccaagaaatg 600
 agacgctagt ctagggggca ccacaagcag aaaggggctg tttcaaggag tcgtccgccc 660
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 aaaattttgt aattgttcaa ctataacacc atg 753

<210> 783
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = a,t,c or g

<400> 783
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 gataagtcgg gcttttggtg agacagactt tcccaaccct ctgcccgcgc ggtgcccattg 180
 cttctgtggc tgctgctgct gatcctgact cctggaagag aacaatcagg ggtggcccca 240
 aaagctgtac ttctcctcga tctccatgg tccacagcct tcaaaggaga aaaagtggct 300
 ctcatatgca gcagcatatc acattcccta gcccagggag acacatattg gtatcacgat 360
 gagaagttgt tgaaaataaa acatgacaag atccaaatta cagagcctgg aaattaccaa 420
 tgtaagacce gaggatcctc cctcagtgat gccgtgcatg tggaattttc acctgactgg 480
 ctgatcctgc aggctttaca tctgtttttt gaaggagaca atgtcattct gagatgtcag 540
 gggaaagaca acaaaaacac tcatcacaag gtttactaca aggatggaaa acagntttct 600
 aatagttata atttagagaa gaatacagtg gattcagctc cccgggataa tagcccatat 660
 tattgtgctg ggtaaaagag agtttacata cttgggattg gagaacttta aaacccccaa 720

ttatccaagt ttacgggaag gggcctatac tccggagtac caggggggg

769

<210> 784
<211> 979
<212> DNA
<213> Homo sapiens

<400> 784
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ccgtggcagt gaccagaagg ggcgggaagg ggggtggcgc cggccgggccc ccgccctggg 180
gccgcctccc cgcgggttcc gttggctgtg gcggcagctg acgcttgttg cggcgggtggc 240
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cgcccgacgg ctacgggttac ccccgcgggc ggcacatcct ctcggtgttc ccgctggcgg 420
cgggcatctt ctctgtgagg ctgctcttcg agcgatttat tgccaaaccc tgtgcactcc 480
gtattggcat cgaggacagt ggtccttata aggcccaacc caatgccatc cttgaaaagg 540
tgttcatatc tattaccaag tatcctgata agaaaaggct ggagggcctg tcaaagcagc 600
tggattggaa tgtccgaaaa atccaatgct ggttttcgca tcggaggaat caggacaagc 660
ccccaacgct tactaaattc tgtgaaagca tgtaagtacg caaggaggga gggaggggaat 720
aaggaagacg gtgggataca actggactga agtttctgtt ttgaacatca cttctgttgt 780
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gaactggaac actgattccc ttaagtttct tgggcatgtt gccactaagc taggtgttgt 900
tctattttgt tcccttttcc taaatagatt gggagtaaact ccttataact gtacttatgt 960
aagtagatgt actaacaca 979

<210> 785
<211> 550
<212> DNA
<213> Homo sapiens

<400> 785
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gcatggcgtc cctgctcctc caggcgtgc ccagcccctt gtcagccagg gctgaacccc 180
cgcaggataa ggaagcctgt gtgggtacca acaatcaaag ctacatctgt gacacaggac 240
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tgtggaccat catcatcatc ctgagctgct gctgtgtttg ccaccaccgc cgagccaagc 360
accgccttca ggcccagcag cggcaacatg aaatcaacct gatcgcttac cgagaagccc 420
acaattactc agcgtgcca ttttatttca ggtttttgcc aaactattta ctacctcctt 480
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agcagcaacg 550

<210> 786
<211> 932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (932)

<223> n = a,t,c or g

<400> 786

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ggtcttcgcc	ctcccgccca	aggaaggccg	ctgcttggtt	gtcatcctgc	tcattggcggt	180
gtactgggtg	acggaggccc	tgccgctctc	agtgaaggcg	ctgctgccc	tcgtcctctt	240
ccccttcatt	ggcatcttgc	cctccaacaa	ggtctgcccc	cagtacttcc	tcgacaccaa	300
cttcctcttc	ctcagtgggc	tgatcatggc	cagcgccatt	gaggagtggg	acctgcaccg	360
gcgaatcgcc	ctcaagatcc	tgatgcttgt	tggagtccag	ccggccaggc	tcattcctgg	420
gatgatggtg	accacctcgt	tcttggtccat	gtggctgagc	aacaccgcct	ccactgccat	480
gatgcttccc	attgccaatg	ccatcctgaa	aagtctcttt	ggccagaagg	agggttcgaaa	540
ggacccccag	ccaggagagt	gaagagaaca	cagggaatag	aacccaata	cctntcctct	600
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cgggtggaat	gtgaatatga	tggcacctgg	gacccaaaga	caggagccac	atcttgagag	780
atagatggca	gatctgcccc	tgtggctttg	gatcatttac	ctcagtgaac	acaacaagca	840
ttatccatga	aaccataggt	tttgtgtgct	agttctagtt	tttaaaatat	gaattaaatt	900
aaatacgtat	ctgttaaaac	ttaaaaaaaa	aa			932

<210> 787

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(514)

<223> n = a,t,c or g

<400> 787

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ctgttcccca	tcctcccagc	ccttcctgct	gtacctgtgg	ggagctgac	tcctcagtc	180
ccctgctttt	ccccggctct	ccatcaccac	cccaccacca	tgcacccct	tcctggctac	240
tggctcctgt	actgtctact	cctgctatcc	tccttgggag	tcagggggtc	cctgggggct	300
cccagcgctg	cccagagcga	agtcacatct	tcctaccag	gtgagccagg	ctccatgact	360
gtaacttgga	ccacatgggt	cccaaccgc	tctgaagtgc	aattcgggtt	gcagccgtcg	420
gggcccctgc	ccctccgcgc	ccagggcacc	ttcgtccct	ttgtggacgg	nggcattctc	480
cggcggaagc	tctacatata	ccgagtcacg	cttc			514

<210> 788

<211> 469

<212> DNA

<213> Homo sapiens

<400> 788

cccgtaatc	tcgggtcgac	gatttcgtgg	cgcggaggag	ctctgtccgg	aatcacatag	60
ataccatcgt	ggaaacagca	gcgcaggtca	cgccgcgcgc	ggccctgcac	cagacgctgg	120
gctctagaga	ttatttctct	ttattcagaa	gcatacagtt	gtttgctgat	tgcaagaaga	180
tgtttctgtg	gctgtttctg	attttgctcag	ccctgatttc	ttcgacaaat	gcagattctg	240
acatatcggt	ggaaatttgc	aatgtgtgtt	cctgcgtgtc	agttgagaat	gtgctctatg	300

tcaactgtga	gaaggtttca	gtctacagac	caaatacagct	gaaaccacct	tggtctaatt	360
tttatcacct	caatttccaa	aataattttt	taaataattct	gtatccaaat	acattcttga	420
atttttcaca	tgcagtctcc	ctgcatctgg	ggaataataa	actgcagat		469

<210> 789
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 789						
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cccagtgaga	gcggctttcc	aggacggtgc	gatgtgctgc	gcagcgaaga	ggcaggaggc	180
cggcttcctg	gggtagcggg	acaggcgggc	gcttactctg	tgcgcttgct	tccccaaccc	240
tgcaccggcc	atgcgcccgg	ccttggcggg	gggcctggtg	ttcgcaggct	gctgcagtaa	300
cgtgatcttc	ctagagctcc	tggcccggaa	gcataccagga	tgtgggaaca	ttgtgacatt	360
tgcacaattt	ttattttattg	ctgtggaagg	cttcctcttt	gaagctgatt	tgggaaggaa	420
gccaccagct	atcccaataa	ggtactatgc	cataatggtg	accatgttct	tcaccgtgag	480
cgtggtgaac	aactatgccc	tgaatctcaa	cattgccatg	ccct		525

<210> 790
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 790						
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agtgtgggtc	ctaataccaac	aactgacgcc	cttatacaaa	ggagaaacct	ggacacagac	180
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ggaagattgc	cagttaatat	ccaaaagaag	ccaggagaca	ggcctgcaac	ggattctgcc	300
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gagctgggag	gcgacac					377

<210> 791
 <211> 637
 <212> DNA
 <213> Homo sapiens

<400> 791						
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ttagtctctc	taaaatttca	gggaaaaact	atgagtctca	aatgcttat	aagcaggaaac	120
aagctgattt	tactactagg	aatagtcttt	tttgaacgag	gtaaatctgc	aactctttcg	180
ctccccaag	ctcccagttg	tgggcagagt	ctgggttaagg	tacagccttg	gaattatttt	240
aacattttca	gtcgcattct	tggaggaagc	caagtggaga	aggggttcta	tccctggcag	300
gtatctctga	aacaaaggca	gaagcatatt	tgtggaggaa	gcatactctc	accacagtgg	360
gtgatcacgg	cggctcactg	cattgcaaac	agaaacattg	tgtctacttt	gaatgttact	420
gctggagagt	atgacttaag	ccagacagac	ccaggagagc	aaactctcac	tattgaaact	480
gtcatcatat	atccacattt	ctccaccaag	aaaccaatgg	actatgatat	tgcccttttg	540
aagatggctg	gagccttcca	atgtggccac	tttgtggggc	ccatatgtct	tccagagctg	600

cgggagcaat ttgaggctgg ttttatttgt acaactg

637

<210> 792
 <211> 881
 <212> DNA
 <213> Homo sapiens

<400> 792
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 aacttcttac gctttcatga tacatttato tagttctgtt attcaagtta aagtattata 120
 cagttaagtc tatggcagag tcagattctt ttatgtgtct aactgttgcg aagtatagac 180
 ttcttatata ttatatgggtg accattaaca tataacgagc atgctagcat attgttgtct 240
 ttgagagcac cgtatcaact ttttgatctg tagaatgaca gaagccacat tcgatactct 300
 gcgactctgg ttaataatcc tgctgtgtgc tttgcggttg gccatgatgc gtagtcacct 360
 gcaagcttat ttaaatttag cccaaaaatg tgtggatcag atgaagaaag aagcggggcg 420
 aataagcacg gttgagctac agaaaatggg ggctcgagtc ttttattatc tttgtgtcat 480
 tgcactgcag tatgtggcgc ctctggtaat gctgcttcac acaactctgc ttttgaaaac 540
 actaggtaat cattcctggg gtatttatcc agaactctac tctaccttac cagtggataa 600
 tagtctactg tccaattctg tttactctga attaccatca gctgaaggga aaatgaagca 660
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 tgaagatctc cagctagact tcacagagat gccaaagtgt ggagatctta ttcttagatt 780
 tggactgcc ttacggatcg gctcagataa tgggctggcg tttgtggctg acttggtaca 840
 gaagacggca aagtggaaag gacccagat tgcgttctg c 881

<210> 793
 <211> 622
 <212> DNA
 <213> Homo sapiens

<400> 793
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 ctggccgctg tgtagggctg gtgagtggct ggggctgtct gagccatgaa caacttcagg 120
 gccaccatcc tcttctgggc agcggcagca tgggctaaat caggcaagcc ttcgggagag 180
 atggacgaag ttggagtcca aaaatgcaag aatgccttga aactacctgt cctggaagtc 240
 ctacctggag ggggctggga caatctgcgg aatgtggaca tgggacgagt tatggaattg 300
 acttactcca actgcaggac aacagaggat ggacagtata tcatccctga tgaaatcttc 360
 accattcccc agaaacagag caacctggag atgaactcag aaatcctgga atcctgggca 420
 aattaccaga gtagcacctc ctactccatc aacacagaac tctctctttt ttccaaagtc 480
 aatggcaagt tttccactga gttccagagg atgaagacct tccaagtga ggaccaagct 540
 ataactacc gagttcaggt aagaaacctc gtctacacag tcaaatcaa cccaacttta 600
 gagctaagct caggtttttag ga 622

<210> 794
 <211> 1177
 <212> DNA
 <213> Homo sapiens

<400> 794
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aattgtagga	ctccctctag	gagttgggca	catgtcgttg	gtgggagccc	tgccctgcc	180
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ttcttggatg	cacctgaatc	ctgcattcag	gaggcctatc	ccttggtctc	tgctagcaac	300
cctgcctgct	atctctcttc	cggtgccctc	tcagccatca	gaccagagct	tgcttcttcc	360
ctgcttgggc	agggaaagtgc	caggtaaagg	gtggtctcct	ttagccacaa	ggggtggctg	420
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agcacttggt	tgtacaatat	ttaatattaga	tcttctcagt	gggcctgtgg	gttagaatag	660
catgtgggat	tgatgggttc	atcattttac	atctaaggaa	aatgagcctt	cggttgggac	720
ctgcctggag	gcacttaaca	tgccctggga	ctaaacactc	caaggcaaac	tctgttctgg	780
caagccaaca	tgccgggttc	tttgtggctc	aagggcgatg	ggcgattcac	agggccttct	840
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<210> 795

<211> 599

<212> DNA

<213> Homo sapiens

<400> 795

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gatctaggct	ctctgtttcc	tcgagtcact	cccagattag	tggtgtctag	ctcagcactg	180
tttctgttat	acttcattca	taattcccag	cgctgttgga	cgaggatggg	aagaccgcct	240
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agtgtacaag	atcaacaaaa	tggccttctg	ggtcggagag	acagtgtttc	tcctctggaa	480
cagcctcaat	gacccctctc	tcgggtggct	cagtgaacgg	cagttcctca	gctcccagcc	540
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<210> 796

<211> 709

<212> DNA

<213> Homo sapiens

<400> 796

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tgttcaccag	ctgectgctt	tcagagctgt	ctctggtttg	ctctgatttt	aggccaaccc	180
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ccatcaccaa	taacatcctc	ttgcattcag	tactttgcaa	tttacaagc	acatttatgc	360
tcactatctc	atttgctcct	ccaacaattt	tggaggtag	acttaagtag	ctctgtttag	420
gctgggcaca	agggtcaca	cctgtaatcc	cagcactgtg	ggaggctgag	gcaagcggat	480
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aatacaaaaa	attaaccaag	cgtgctggcg	ggcgctgta	gtcccagcta	cttcggaagc	600
cgagcaagaa	aatgacgtga	acccgggaag	tggagcttgc	agtgagccct	aatcgacca	660

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709

<210> 797
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 797
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 tatgcacaca aaattttgcc tcatttgttt gctgacattt atttttcatc attgcaacca 120
 ttgccatgaa gaacatgacc atggccctga agcgcttcac agacagcatc gtggaatgac 180
 agaattggag ccaagcaaat tttcaaagca agctgctgaa aatgaaaaaa aatactatat 240
 tgaaaaactt tttgagcgtt atgggtgaaaa tggaagatta tccttttttg gtttggagaa 300
 acttttaaca aacttgggcc ttggagagag aaaagtagtt gagattaatc atgaggatct 360
 tggccacgat catgtttctc atttaaata 389

<210> 798
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 798
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 <211> 412
 <212> DNA
 <213> Homo sapiens

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 <211> 423
 <212> DNA
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 <211> 524
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 810
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 <212> DNA
 <213> Homo sapiens

<400> 810
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ttgggatcca	tcttctgagg	gtgaagctcg	agtgagcggg	gcaggcagct	gtcaacaggg	1860
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<210> 817
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 817						
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gtctgtgggc	cgcaaggccc	cagtggagcc	cttgggttcc	cgcagaaccg	actgggtctc	180
cagtagtctc	tgaggagccg	ctcgaccttc	tcccgacctt	ggatctgagg	caggagatgc	240
ctcccccgcg	ggtgttcaag	agctttctga	gcctgctctt	ccaggggctg	agcgtgttgt	300
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acctgggtctc	tcctttggag	aatgaacctt	aggagatgct	gactctaagt	gagtaccacg	480
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acaaggaggc	gtcccttgtt	tgccggtgcc	cctccctgag	agaggtgcc	agctccgcgcg	600
tctcaaggct	ggaaccacct	tctatcgccg	aacccttctt	ctctcgtctc	cagctttatt	660
tatccgacct	ctcateatat	ctcgtcc				687

<210> 818
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 818						
cgctgagatg	tatacctggc	agggtgggcaa	taattagacg	agaataaaaag	acacttgcac	60
cattgccaga	agtgtgtaaa	cttctttttg	cttcttttcc	tggaggaata	gaagagagag	120
acagtcccca	atgtgtggag	aattttctctt	catcagcata	tatagctgtg	atatgtaaag	180
gagcatcaaa	ggtctcataa	gtttcatcgt	cgttaaaata	tacaaaaagg	gctgtcaatg	240
cttgagacat	cagaattaac	atacactctc	tcttcgtaac	agtccacggg	tgctacctat	300
taaccgtccc	cggttaatac	cttttatcca	tagccggcca	ccacctcata	cccatcccct	360
gtgcctgta	tt					372

<210> 819
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(445)
 <223> n = a,t,c or g

<400> 819						
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actgagttct	agtttgaagc	tgtttaccct	cgcagctctc	tgactggcac	ccctgcctgc	120
ctgcccggcc	ctgcacaaca	tgcagccctc	cggcctcgag	ggtcccggca	cgtttggtcg	180
gtggcctctg	ctgagtcctg	tgtcctctgt	gctgctgctc	cagcctgtaa	cctgtgccta	240
caccacgcca	ggccccccca	gagccctcac	cacgctgggc	gccccagag	cccacaccat	300
gccgggcacc	tacgctccct	cgaccacact	cagtagtccc	agcaccacaag	gcctgcaaga	360
gcaggcacgg	gccctgatgc	gggaactccc	gctcgtggac	ggccacaacg	acctgcccct	420
ggttctaagg	caggtttacc	acaat				445

<210> 820
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = a,t,c or g

<400> 820						
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tcagtctact	ggtgccggga	agactggcca	aatcaggaaa	tgaggaagat	ctacaccact	180
gtgctgtttg	ccaacatcta	cctggctccc	ctctccctca	ttgtcatcat	gtatggaagg	240
attggaattt	cactcttcag	ggctgcagtt	cctcacacag	gcaggaagaa	ccaagagcag	300
tggcacgtgg	tgtccaggaa	gaagcagaag	atcattaaga	tgctcctgat	tgtggccctg	360
ctttttattc	tctcatggct	gcccctgtgg	actctaata	tgctctcaga	ctacgctaaa	420
ccgan						425

<210> 821
 <211> 706
 <212> DNA
 <213> Homo sapiens

<400> 821						
ggattgagtg	agcccaggag	gtctaggctg	cagtgagctg	tgatcacacc	tctgcactcc	60
agcctgggtg	acagagaaa	atcctgtccc	aaataactaa	gtaaataaga	tggcctgaac	120
acttgcaccc	ctaaacctgc	tctgtcccag	tgtgccccct	cgaaaatggg	ctgggttctg	180
tatgtaactg	ggcctctctc	ctgcagagat	cctctcagac	tccgaggagg	accgggtatc	240
ttctaatacc	aacagctatg	actacggtga	tgagtaccgg	cogctgttct	tctaccagga	300
gaccacggct	cagatcctgg	tccggggcct	caatcccctg	gattacatga	agtggagaag	360
gaaatcagca	tactggaaag	ccctcaagg	gttcaagctg	cctgtggagt	tcctgctgct	420
cctcacagtc	cccgctcgtg	acccggacaa	ggatgaccag	aactggaaac	ggccccctca	480
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tgggtgtctat	gagataggcg	gcctcgttcc	cgtctgggtc	gtgggtgggtga	tcgcaggcac	600
agccttggct	tcagtgcct	tttttgccac	atctgacagc	cagcccccca	ggcttctactg	660
gctctttgct	ttcctgggct	ttctgaccag	cgcctgtggt	atcaac		706

<210> 822
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 822
 cggacgcggg ggcggacgct gggccttgct ccttcctcat tgggatcatc agtcagtga 60
 ttggaaggaa atggggccatg ctggtcaaca atgttctggc ggggctgggg ggcaccctta 120
 tgggcctggc caacgttgct gactcctata aaatgctcat ccttgtaaga ttcctttttt 180
 tcgcctactg acgcgctggg cttggagtcc cttctgggaa ctgccagcct gtggccactg 240
 ctctgagcc tcacagagct acctgccctc ctgcaaatgt gactgctgac cttctgttcc 300
 gaaagacccc gctacctcta cgtaatacat aatttcgagg gacctgccag aattagt 357

<210> 823
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 823
 cgggtcgacc cagcgcgtccg atccgagcta atcagtcaat acaagtcaca tgggtttatg 60
 gatatgctcc atgacaagtg gtacaggggtg gttccctgtg gcaagagaag ttttgctgtc 120
 acggagactt tgcaaatggg catcaaacac ttctctgggc tctttgtgct gctgtgcatt 180
 ggatttggtc tgtccatttt gaccaccatt ggtgagcaca tagtatacag gctgtgcta 240
 ccacgaatca aaaacaaatc caagctgcaa tactggctcc acaccagcca gagattacac 300
 agagcaataa atacatcatt tatagaggaa aagcagcagc atttcaagac caaacgtgtg 360
 gaaaagaggt ctaatgtggg accccgtcag cttaccgtat gg 402

<210> 824
 <211> 348
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(348)
 <223> n = a,t,c or g

<400> 824
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 tgaagaaact ctccatcggt gtctccctgg ggacagggag gnccccacaa gtgcctgtga 120
 cctgtgtgga tgtgatatct agcagcatca ccggttactt acgttcgtat gtttttggtg 180
 tcaattatat gtgttactct cttctttcct attgtagctc tcttcgatct ttacgccact 240
 ctgcctcact gtgtgtacgc gttttctact gactctcttc tgccctgctgt gatgcttact 300
 gcgcttcctc gtagtctctt cttttcgtcg togttgattt tatcatcg 348

<210> 825
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 825
 ggcacgagcc ggtgggtcta cagcgggaagg gagggagcga aggtaggagg cagggccttg 60
 ctcaactggcc acctcccaa cccaagagc ccagcccat ggtccccgcc gccggcgcg 120

tgctgtgggt	cctgctgctg	aatctgggtc	cccgggcggc	gggggcccac	ggcctgaccc	180
agactccgac	cgaaatgcag	cggtcatgt	tacgctttgg	ctgctctgtc	atctgttgct	240
attgtatctc	agttcgtact	ggtcgggtccc	gggaaactgg	atagtctgga	gcagtcgatt	300
atgtactcgg	catctctttg	agttgatgga	gtatcgatgt	gtggttg		347

<210> 826
 <211> 649
 <212> DNA
 <213> Homo sapiens

<400> 826						
ggcacgagca	cctctttgag	ttccccagga	agaaccatt	tgcactaaaa	acattattga	60
gcaaagtaga	tggtactaaa	gattttgaag	ggatgtgtag	tctttcatca	cctaccttgc	120
agcactcaag	tttacaaacc	ctcattgggc	atgtgggggt	tcctgagtcc	cctgtgggaa	180
gtggtttttt	gccatacacc	ttgtttcaga	gctcagcctc	agttagacag	ggcaggctcc	240
agtttcctca	tctaccctc	tccccacagc	acctctaatt	aaccagccct	tttcttacca	300
ctgagaaatt	gaactctact	aaataattac	agccttgtgc	cacataatga	cgttttgggt	360
aacaggggac	cgtgtgtata	atgggtggtc	cataagaata	taataccatg	ggtttactat	420
acttttctat	atthagaaat	gttttagattt	aagttagata	tggttagatt	taaaatacgt	480
aacacaggct	ggacccggta	gctcatgcct	ggaatcccag	cactttggga	agccgagttg	540
ggtggatcac	ctgagggcag	gagtttgga	ccacctggc	caacttgggg	gaccccatc	600
ttctaaaaaa	cacacattac	ctgggggggg	gcgagccctt	tatcctacc		649

<210> 827
 <211> 791
 <212> DNA
 <213> Homo sapiens

<400> 827						
ggcacgagac	tgttcactac	ctcctctacc	tggccatggc	cggcgccatc	tgacagaagga	60
agagataccg	gaattttgga	ctctactggc	tgggttcctt	cgccatgagc	atcctggtgt	120
tccttacagg	aaacattctt	ggcaaataca	gctccgagat	caggcctgcc	ttcttctca	180
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cgctaaccgc	ctgcaccgcc	aacatgggtc	aagaggaaca	aagaaaggga	ctcctgcagc	300
gtccggctga	cctggccctt	gtcatatata	tcatccttgc	tggcttcttc	actctgttcc	360
ggggcctggg	ggtgcttgat	tgccccacag	atgcctgctt	tgtctatata	taccagtatg	420
agccatacct	gcgggacct	gtggcctacc	ctaagggtgca	gatgctgatg	tacatgtttt	480
atgtcctgcc	tttctgcggc	ctggtgcct	atgctctcac	cttccctggg	tgctcctggc	540
ttccagactg	ggccttgggtg	tttgcctggag	gcacgggcca	ggcacagtcc	tcgcacatgg	600
gggcttccat	gcacctgcgc	acaccttca	cctaccgtgt	gcctgaggac	acctggggct	660
gcttcttcgt	gtgcaatctg	ctgtatgcgc	tgggccccca	cctgctggcc	taccgttgcc	720
ttcagtggcc	cgcatctctc	caccagccac	cacctccga	ccccctagcc	ctccacaaga	780
agcagcattg	a					791

<210> 828
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 828

aaaggaccat	ttgcagaatt	cagaaaaatt	cttcagtttc	ttttggctta	ttccatgtcc	60
tttaaaaact	tgagtatgct	tttgcttctg	acttggccct	acatccttct	gggatttctg	120
ttttgtgctt	ttgtagtagt	taatggtgga	attggtattg	gcgatcggag	tagtcatgaa	180
gcctgtcttc	attttccctca	actattctac	tttttttcat	ttactctctt	tttttccttt	240
cctcatctcc	tgtctcctag	caaaattaag	acttttcttt	ccttagtttg	gaaacgtaga	300
attctgtttt	ttgtggttac	cttagtctct	gtgttttttag	tttggaat		348

<210> 829
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 829						
cccacgcgtc	cgcccccaagc	tggtcatgga	actgatgcc	atcggtctgc	gggggctgat	60
gatcgcagtg	atgctggcgg	cgctcatgtc	gtcgctgacc	tccatcttca	acagcagcag	120
cacctcttcc	actatggaca	tctggaggcg	gctgcgtccc	cgctccggcg	agcgggagct	180
cctgctggtg	ggacggctgg	tcatagtggc	actcatcggc	gtgagtgtgg	cctggatccc	240
cgtcctgcag	gactccaaca	gcgggcaact	cttcatctac	atgcagtcag	tgaccagctc	300
cctggcccca	ccagtgactg	cagtctttgt	cctgggcgtc	ttctggcgac	gtgccaacga	360
gcagggggcc	ttctggggcc	tgatagcagg	gctggtggtg	ggggccacga	ggctggtcct	420
ggaattcctg	aaccagccc	caccgtgcgg	agagccagac	acgcggccag	ccgtcctggg	480
gagcatccac	tacctgcact	tcgctgtcgc	cctctttgca	ctcagtggtg	ctgttgtggt	540
ggctggaagc	ctgctgaccc	cacccccaca	gagtgtccag	attgagaacc	ttacctggtg	600
gacctgggct	caggatgtgc	ccttggggaac	taaagcag			638

<210> 830
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = a,t,c or g

<400> 830						
tcgatgaaga	ccctgtttgt	ggacagctac	agtgagatgc	ttttctttct	gcagtcactg	60
ttcatgctgg	ccaccgtggt	gctgtacttc	agccacctca	aggagtatgt	ggcttccatg	120
gtattctccc	tggccttggg	ctggaccaac	atgctctact	acacccgcgg	tttccagcag	180
atgggcactc	atgccgtcat	gatagagaag	atgatactga	gagacctgtg	ccgtttcatg	240
tttgtctaca	tcgtcttctt	gttcgggttt	tccacagcgg	tggtgacgct	gattgaagac	300
gggaagaatg	actccctgcc	gtctgagtc	acgtcgca	ggtggcgggg	ttttctn	360
acccccctct	ntcttctaca	taaactgtac	tccacctgcc	tggaactgtc	caactccacc	420
atngattg						428

<210> 831
 <211> 892
 <212> DNA
 <213> Homo sapiens

<400> 831
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 ctgaggagcc cgagttttga aaaggggaagc aatcctccaa ggctgcgatt tccacagaaa 120
 tcacatgtga gccacaggtg tcatttttaa atttctagta gcaacagaaa cgaggaataa 180
 acagatgggtg tttgagtcac tgaatttttg gaaggacttc aaatgtcaag cattattctc 240
 catgaacagg gtgatgaggg gtctggccat caccaccacc tgcctcctga gcatgctcca 300
 ggccatcacc atcagcccta gcatcttggtg gaatcatgct gctgtccagt atgtacacgg 360
 tcattctctt gttcaggcat gagaggatgat accagagcct tcgcaacacc agccgctccc 420
 caagagcctc cccagagaaa agggccatgc agaccagcct gtgtcttctg gaactggaac 480
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 ggatcatcagc ccaccgctt gcatctccag ctgcaagtca ctctgggccc agttctcaga 600
 caaggccaag tcggccacac caggggctct ctggggagcc tggaggaagg ttgactcttt 660
 agtctgctgc atctcagcca ggagttcatc catcttgaag gtctgagggg cacggggata 720
 caacgggcca actggggccc ttcataagaat acccccaccc tattcttttc cgaacctctc 780
 tccaaggctc tgaagactgc ctccgacgtc tgtctctcgc gcccgcgcca cccgtaaacc 840
 actacgactc ttcactcatt cctgcaagtc ttcactccct ctactccgat gc 892

<210> 832
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 832
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 gcgatatgac tgccagactt atgcggctct tgcctggctgc acaacttaca tttgtatata 120
 ggggtggcgca tctaatgaac gttgctcaac gcataagggg aaatcgctcc attaagaatg 180
 agagactact tgcattgctt ggagataatg aaaagatgaa tttgtcagat gtggaactta 240
 tcccgttgcc tttagaaccc caagtgaana ttagaggaat aattccggaa acagctacac 300
 tgtttaaaag tg 312

<210> 833
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 833
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 aatgcatatg ataatacatgt ttttgtggct ggaagattaa tttactgtct taacataata 120
 ttttgggtatg tgcgtttgct agattttcta gctgtaaatc aacaggcagg accttatgta 180
 atgatgattg gaaaaatggg ggccaatatg ttctacattg tagtgattat ggctcttgta 240
 ttacttagtt ttgggtgttc cagaaaggca atactttatc ctcatgaagc accatcttgg 300
 actcttgcta aagatatagt ttttcaccca tactggatga tttttgggtga agtttatgca 360
 tacgaaattg atgtgtgtgc aaatgattct gttatccctc aaatctgtgg tccgtcgacg 420
 cggccg 426

<210> 834
 <211> 445
 <212> DNA
 <213> Homo sapiens

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<400> 834
aagcgcgcta gtagcagctc tggcagaagc aacggtggct tcgagggatg gcggcggctg      60
caacaggacc tgcagcatcc cagaggaact gactaagact ttggaacaga aaccagatga      120
tgcacaatat tatcgtcaaa gagcttattg tcacattcct cttgggaatt actgtggtgc      180
agatgctaata ttcagtgact ggattaaaag gtgtcgaagc tcagaatggc tcggaatctg      240
aggtgtttgt ggggaagtat gagaccctcg tgttttactg gccctcgctg ctgtgccttg      300
ccttcctgct gggccgcttc ctgcataatgt ttgtcaaggc tctgaggggtg cacctcggtc      360
gggagctcca ggtggaagaa aaatctgtcc tgggaagtgc ccagggagag cacgtcaagc      420
agctcctgag gataccccgc cctca                                     445

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<210> 835
<211> 487
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(487)
<223> n = a,t,c or g

```

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<400> 835
tttagatgat cccctctgaa aatgatagct gcgaanccnc cnaantnngg gtgacccacg      60
cgtgcgggat acaggcctag gctatggtaa ttgtaagcgg aagtgaataa aatattttat      120
ttgtgtgtgc atttatttaa caaacattaa ttatctcctt gattaataaa gcactgttcc      180
tgccctcaag tagttcatgg tgggctagtc caagaacaat taaatatagt atgactatac      240
atztatgtag taatctaata tgtcatttct tgcagagaat ggggaacaatt ctccctttgcc      300
caaatatgca acctcaccaa aacctaacaa cagttatatg ttcaaaaggg aacctcctga      360
gggctgtgaa agggctcaaag tctttgagga atgctcgtaa gtatcccttc caccatccgc      420
ccnngngnga acccccacat ggggggcaaa caaggngngg gggggcgcgg tttaacaac      480
ccacgan                                     487

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<210> 836
<211> 611
<212> DNA
<213> Homo sapiens

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cacctcaccg	cccgcgaccg	aagtgcgcgc	gcagccggtg	gaagctacga	accttgggaa	11760
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<210> 839

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(498)

<223> n = a,t,c or g

<400> 839

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ctcatttttt	cctgctacag	gttcctcagt	ggtgtgctga	atattgtctt	tccatccact	180
accagcacgg	gggcgtgata	tgcacacagg	tccacaagca	gactgtggtc	cagctcgccc	240
tgcgggtggc	ggatgaaatg	gatgttaaca	ttggatcatga	ggttggctac	gtgatccctt	300
tcgagaactg	ctgtaccaac	gaaacaatcc	tgagggttgg	ttgtgggggt	cagtccgctc	360
cctgctgatg	attcttggct	taggttctac	aattctgaag	gagcattatt	ctggcattct	420
acctgttaag	catctatgct	gtgcagtagc	aactgggtct	tgtcatcagc	cagccagcaa	480
cagttgcttt	cccacact					498

<210> 840

<211> 858

<212> DNA

<213> Homo sapiens

<400> 840

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aatgagagtt	tgcagaagat	gaaaggggag	tcttgcattc	agcaatttgc	cctgtattta	120
atgagccagc	caccttgtgt	cttcccctcc	tatgacatag	cccttcagct	cacctacaa	180
ttgccacatg	aaaactttct	tcatgaaacc	cacaggggtg	aagttctctc	ctgttgccct	240
gagtgcacc	tcccaggccc	tctgtatgag	tgacacttca	gtctgccatg	gaacctggcc	300
ctgctctggc	ctggctcctg	ctcctgagcc	tgctggcgga	ttgtctgaaa	gctgctcagt	360
cccagagactt	cacagtgaag	gacattatct	acctccatcc	ttcaaccaca	ccatattcctg	420
gtggatttaa	atgtttcacc	tgtgaaaagg	cagcagacaa	ttatgagtgc	aaccgatggg	480
ctccagacat	ctactgccct	cgagagacca	gatactgcta	cactcagcac	acaatggaag	540
tcacaggaaa	cagtatctca	gtcaccaaac	gctgtgtccc	actggaagag	tgcttatcca	600
ctggctgcag	agactccgag	catgaaggcc	acaagggtctg	ggcaacagag	caagtgacca	660
gtactacata	gccagctgcc	ttctcttcag	acatctgcca	gtactcatga	gcagattctt	720
actccccctg	gaaggctgtc	ttttgattgt	ctttatgctc	tgtgaaaaga	cgcttccttt	780
cctgtttact	ctaaaagaat	acacatttat	accagagcat	aggacaactg	atataaattg	840
tgtaaacaca	catgaaga					858

<210> 841

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = a,t,c or g

<400> 841

nagcggttnn	nnnnaactga	cttcctagca	tttngcgngg	cattcacaaa	agaatatgaa	60
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actactctag	caaacctcat	accttttact	ctgagcctaa	tatgttttct	gctgttaatc	180
tgttctcttt	gtaaacatct	caagaagatg	cggctccata	gcaaaggatc	tcaagatccc	240
agcaccaagg	tccatataaa	agctttgcaa	actgtgacct	ccttcctcat	gttatttgcc	300
atttactttc	tgtgtataat	cacatcaact	tggaatctta	ggacacagca	gagcaaactt	360
gtactcctgc	tttgccaaac	tggttgaatc	atgtatcctt	cattccactc	attcatcctg	420
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<210> 842
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 842
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 ttctatgtcc ctgtggctat gtttccagtg tcctctgggt gtttccaaga gcaacaagaa 120
 acgaataaat ctctgttgaa gagataccat ttgacatttt agagatggct gcatgcaaac 180
 tcttaaaaca tttgaatgga ttttccctct tgttgcccag gctggagtgc aatgggtgtga 240
 tctcggttca ctgcaacccc ctgcctcccg ggttcaagcg attctcctgc cccagcctcc 300
 tgagtagctg ggattagagg catgtgccac catgcccagc taattttgtg ttttttagtag 360
 agacgggggtt tttccttgta ggtcaggctg gccctgaact cctgacctca ggtgatccac 420
 ctgc 424

<210> 843
 <211> 697
 <212> DNA
 <213> Homo sapiens

<400> 843
 ggcacgagat ttaatgacat taaaagaaaa ccataaaciaa gcctgtgcac agagtcccta 60
 catgaaaacc aaatgtaaac caaatattac cttcttcaac accatcatct gtttcttcct 120
 gacttttctc ttctgcatct atatcgatct gctcctctgt actgttccga agaaccagc 180
 acaggcggta cagctgaaca gggaccatac aaaagtgcac tagtaatagg caaatgtttg 240
 caataatata atagaatggt acctttgttt atcgtctggt gtttttaaaa aatcaaacca 300
 tacaggagaa tatagatcac aaagaaaagg cctcctacca cactcactca tcaaaacaca 360
 ctaatcattt taaatttttt tctgttttta attctttctg ggtgctatct agaacttcaa 420
 atgatatact taaaaatacc tacttctgga tttgtaattt cagcaaagtt gaagatttag 480
 ctaacctaca ctatacccca gcttcaactca ttgtccttaa catccaacag ttattagcca 540
 catcatgatt tccttcagtt tatctaattg ttgcttttat aactttcaaa ctatcttctt 600
 aaaatctatt tctggaacca tcacatttgg ctgggatcta agtaccaatg gaattccaat 660
 tgcaattaag aacctttaac ccacttcctt tttctta 697

<210> 844
 <211> 698
 <212> DNA
 <213> Homo sapiens

<400> 844
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 gtcattggtg tagttagggt cacggctgta gttagggtea tgggtgtagt tagggctgtg 120
 gtgggttaggg tcatggtggt agttaggatc acggctgtac ttagggctat ggtggtagtt 180
 aggatcatgg ctgtaattag ggtcatggtg gtagttaggg tcacggctat agttggggtc 240
 atgggtggtaa ttagggtcac agcgatagtt agcatcatgg tggtagttag ggtcatggtg 300
 gtagttaggg tcatggtggt agctaggccc atgggtgtag ttagggctat ggctgtagtt 360
 agagtcattg cggatagtg cgtcagggtc atatgttcgt cgtcgtgaa cgttacgttt 420
 tcgcttgaat agtcaagccc tgcctcgtct tttctttttt tcaactccaca aagaatcgtc 480
 cttactcgaa tgcttttttc ccgtgcttaa ggtggcacac catccctggc caacatctct 540

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tttggttatg taactcttag tegtcttgc ataacctcc cccccgcgg ggtgttacc 600
cccgagttgc gagagcaatt ctaaactagc cgtttttagcg taccctcttc actgaacctg 660
ttttcccgac aacctctctt cacggcctgg ggagggcg 698

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<210> 845
<211> 627
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(627)
<223> n = a,t,c or g

```

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<400> 845
tttcgtgcag agatgagctg ttttggactt ctctggggg gcttaactcc aagggttctg 60
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gtggtggaga aggcacgcac agccaccatg ctatgtgccg caggcggaaa tccagaccct 180
gagatttctt ggttcaagga ctctcttctt gtagacctg ccacgagcaa cggccgcac 240
aagcagctgc gttcaggtga gcagagggca ggggtcaaag ggccatgcag acctcagaac 300
aagcgtcttg tcagatccca gcacagccta ctcccttggg cctgggcacc tccagggctg 360
agcggagggg acctggtggg gtgggctggg tcttactgca ggtgtgctg gctcagggaa 420
gagagctcgt ggttggctgt gccgttacct tcttcggatt gtcagactcc agactttggg 480
ccagttctgc cctcccagc acatgtgatg tgccagtgtg gtggactctt caaggagct 540
ctatggatgt taacctctt ccttccctgt ancctggcct gagacaggag aatggatgat 600
gcctttaatc agagctggtt tgactta 627

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<210> 846
<211> 635
<212> DNA
<213> Homo sapiens

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<400> 846
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gatgactgtg cccgggggtcc ccattgcctt aatggtggtc agtgcattga taggattgga 120
ggctacagtt gtcgctgctt gcctggcttt gctggggagc gttgtgaggg agacatcaac 180
gagtgcctct ccaacccctg cagctctgag ggcagcctgg actgtataca gctcaccaat 240
gactacctgt gtgtttgccc tagtgccctt actggccggc actgtgaaac ctctctgat 300
gtgtgtcccc agatgccctg cctgaatgga gggacttgtg ctgtggccag taacatgcct 360
gatggtttca ttgcccgttg tccccggga tttccgggg caaggtgcca gagcagctgt 420
ggacaagtga aatgtaggaa gggggagcag tgtgtgcaca ccgcctcttg accccgctgc 480
ttctgcccc gtccccggga ctgcgagtca ggctgtgcca gtagccctg ccagcacggg 540
ggcagctgcc accctcagcg ccagcctcct tattactcct gccagtgtgc cccaccattc 600
tcgggtagcc gctgtgaact ctcaactcac ccacc 635

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<210> 847
<211> 1100
<212> DNA
<213> Homo sapiens

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<400> 847
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ccagagcttg gcgatcccga agcagttggg tctgcggagg gagatgcctt cgggcagccc 180
caccacaaac agctcctccg ggtgcatcag aaacttggag tacagcacct tgatgggttc 240
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gggccaggaa tctcaacccc tgtgtcccat gcctgtgtag agggcaaagc tgcctgtcct 360
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tatttgctta tgcttatctc tccacacgag gatgtgtacc ccaggagggtg gggacatctg 480
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ataaatatth gttgaggcgg ggtgcatttg ctcaagcctg taatcccagc tctttgtgag 600
gccagggtag gaggatcatt tgaggtcagg agtttgagac ctgggggggc atcatgggga 660
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tgtatctcct cttgtacctc catggcgccc gtacgtgttg ccttcgatgc gcacgactcg 1020
ccgaataga ggacgtctct ccttgcctct tcgactcttc gaagactgtc aaaccgctcg 1080
caatactcgc tgttgtatcc 1100

<210> 848
<211> 685
<212> DNA
<213> Homo sapiens

<400> 848
caacaacaaa ccagaagagg gcttaaagga acttacaaaa gctgcacaca ggaatggaat 60
gaagaatgct gaagacatcc taaccatgga ggttttgaaa tccaccatga agcaagaact 120
ggaggcagca cagaaaaagc attctctttg tgaattgctc cgcataccca acatagttaa 180
aagaatctgt ttccctgtct ttgtgagatt tgcaagtacc atcccttttt ggggccttac 240
tttgacacct cagcatctgg gaaacaatgt ttccctgttg cagactctct ttggtgcagt 300
caccctcctg gccaatgtgt ttgcaccttg ggcaactgaat cacatgagcc gtcgactaag 360
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agaaatgcag accctgcgtg tggttttggc aaccctgggt gtgggagctg cttctcttgg 480
cattacctgt tctactgccc aagaaaatga actaattcct tccataatca ggggaagagc 540
tactggaatc actggaaact ttgctaatat tgggggagcc ctggcttccc tcgtgatgat 600
cctaagcata tattctcgac ccctgccctg gatcatctat ggagtctttg ccatectctc 660
tggccttggt gtectcctcc ttccg 685

<210> 849
<211> 413
<212> DNA
<213> Homo sapiens

<400> 849
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tcgtctacgg ttttgtatac ttcaaacgg gagaaacgat tatggacaag ttactccgtg 120
tcctctactg gattctcgtg aagaccttct tcagagagat ttccgtgtcg caccaggagc 180
gtatccccaag agataagccg gtcatgctgg tgtgtgctcc gcatgccaac cagtttgtgg 240
acggaatggt catttcaacc catctggacc gcaagggtga ctttgtgggt gcggcctcga 300
gtttccgcaa gtacaagggt gtgggtctct tcatgaagct gatggcgtcc atcatttcgg 360
gggagcgtca ccaggacgtg aaaaaagtgc tgaccggaat ggcgacggag aag 413

<210> 850
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 850
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 cgtgtgctct attgatgtct tgttcctggg tcttgacact gaccatcttg tctgtgaaag 120
 gaggcactcc ggcgggcatg cttgatcaga agaaagggaa gtttgcttgg tttagtcact 180
 ccacagaaac ccattggtaat gttccctctg gctctgtgtg tgtaaatgcg tgtgggtgca 240
 taccagactg aatgggaagg tgtctctctt gatggcttgt gccgcagtag ttctgtgtgt 300
 gtgcataatat gtgtatgtat atatgttgtg tgggtgtgtg tgtttgtgaa gggatggcaa 360
 cctgtccccc tcaaagccac tgccttatca tggct 395

<210> 851
 <211> 904
 <212> DNA
 <213> Homo sapiens

<400> 851
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 tccagcatgc ccttatgccc gtcattccca agggctcctc cgtgggtaca ggaaccaact 180
 tgcacagtga gtctgccagt tttctaacca gcccaaagct catcatgtgc ctacccttg 240
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 gacttagttt attgtagaat gtaggggtgc taaataaaaag ctgctgcaca tactaagatg 360
 ttttagtttg taaattatcc tattttatta tagctatttt atattaaaat ttaacaaatt 420
 caggtaaaaca ctatgtatta ggcaattaca gacctctaga gctattgggt ataaaagaag 480
 aagtaatctg gccgggctca gtgggtcaca cctctaaacc cagctcttag ggaggccaag 540
 gtaggtggag gacttgagcc aagaggtcta gtccagcctg ggcaacatgg ggaaaccctg 600
 tctctacaaa aaatacaaaa attagccagg catagtgtca tgcgcctgtg gtcccagcta 660
 ctctggaggc tgaagcagga aaattgcttg agcttaagaa gcataagttg cagtggggcc 720
 aagatcaagc ccactggatt tctgccttgg ccaagaaaag aagagggagg agggggaaga 780
 agggaggagg aaggaaattt aaccagcttt cagctttgaa tgggaatggc ccgagatgaa 840
 aaagtaacgg cgacaggggc attgacgagg gtccggggat gggcctgcaa cattatggta 900
 gccc 904

<210> 852
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 852
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 tccccaatat aactcatgag ggtttcaatg tcaccctcca caccaccctg gttgtcacga 120
 cgaaactggg gctcccagacc cctggcaagc ccattctccc cgtgcagaca ggggagcagg 180
 cccagcaaga ggagcagtc agcggcatga ccattttctt cagcctcctt gtcctagcta 240
 tctgcatcat attggtgcat ttactgatcc gatacagatt acattttctt ccagagagtg 300
 ttgctgttgt ttcttttaggt attctcatgg gagcagttat aaaaattata gagtttataa 360

aactggcgaa	ttggaaggaa	gaagaaatgt	ttogtccaaa	catgtttttc	ctcctcctgc	420
ttccccctat	tatctttgag	tctggatatt	cattacacaa	gggtaacttc	tttcaaaata	480
ttggttccat	cacctgtttt	gctgtttttg	gaacggcaat	ctccgctttt	gtagtaggtg	540
gaggaattta	ttttctgggt	caggctcacg	taatctctaa	actcaacatg	ac	592

<210> 853
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 853						
cccaggcg	cttttaacca	gcatctgggg	tgaccaatct	aagtagacag	ggtcaggaca	60
acactgatgt	gtatacagat	gctgtttccc	tgctgttctc	ttctaagtat	gaatcccggg	120
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aaaaaaaaatt	tttctcgggt	gcagtcttgc	tctgtcgctc	aggctggggg	acagtgggtg	300
aatctcagct	caccgcagcc	tcaacctccc	gggttcaagc	aatcctccca	ccttggcctc	360
ccaaagccaa	agattgcagg	tgtgagtcct	cggctcggcg	gtgggtcgac	cgggaattcc	420
ggccggacga	cgtcgt					436

<210> 854
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 854						
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ttggtactga	ctgtgccttt	catgggatgc	ttacttatcc	tggtcgatgg	cctaaagccc	120
aaccgtccag	cttatatcca	gacagggctc	caagccaccc	aggctggagt	gcagtggcac	180
aattatggct	cactgtagcc	tcaccttctc	gggatcaagc	aatcttcttt	cttcagcctc	240
cagaggagct	gggaccacag	atcctt				266

<210> 855
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 855						
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caccaggagc	tcaacaccct	caagttccag	ctgagtgtctg	aaatcatgga	ctaccagagc	120
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aaggacaagg	agggggctgc	cctgcgtgaa	gaccaagaaa	ggaccagaa	ggaactcgaa	360
aaagccacgt	gtattgcgga	cgaaatcgtc	gaccggggaa	gtccggtccg	aatgctgtca	420

<210> 856
 <211> 412

<212> DNA
 <213> Homo sapiens

<400> 856
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 tgcaagacac tgggtgcattg caggtgtgtt tccgcagaag ttgatgggtg acagtgccta 120
 cgtggggatg agtgacggaa acccagagct cctgtcaacc agccagacct acaacggcca 180
 gagcgagaac aacgaagact atgagatccc cccgataaca cctcccaacc tcccggagcc 240
 atccctcctg cacctggggg accacgaagc cagctaccac tcgctgtgcc acggcctcac 300
 ccccaacggt ctgctccctg cctactccta tcaggccatg gacctcccag ccatcatggt 360
 gtccaacatg ctagcacagg acagccacct gctgtcgggc cagctgcccc cg 412

<210> 857
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 857
 cggtcgggcg caaggagggc ggctgggtgt ggaaaaaggc ctgggcgagc tgtgcctgca 60
 gcccctggct ggtttgggaa ggctgggctc ccaggctggt ggtagtgggtg ggggtgattt 120
 tcctcatgaa gccccactc cgtccactac tgccctgacac ccacgaagcg agcagtttcc 180
 ggagctctcc gatgtagggg cagcaggtgt agagcagctg ctggtccacc acaggcgcct 240
 tgtccaagcc atgctctggg gctactgtgt ccacctcaaa ggcatatgag ggacctctt 300
 ccagaaagaa caagtcctca gggactgtgg gaatctggaa aagccagtcc agggcagcaa 360
 gaagcagcag cttgttcagg aaacacatct tcccctcact ctc 403

<210> 858
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 858
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 gctcatcggc atctccattg gcagcctgcg cgggctgggc accaagtgcg ctgtgtccaa 120
 cgacctcacc gagcaggaga tacggaccct ggagcattgt cccaattcct tcttctaata 180
 aagaaatacg cttagttgat gatgcgtttg gaaaaatttg tcacatgggc agtgatggct 240
 cttgggtggt tcgtgttcag gcagcaaaac tgttgggctc tatggagcaa gtcagttctc 300
 atttcttgga gcagaccctt gacaagaagc atgtcagatc tgaggaggaa acgtactgca 360
 catgagcgtg ccaaggaact ttacagttcg ggggagtttt ccagtggcag aaagtgggga 420
 gatgatgctc ccaaggaag 439

<210> 859
 <211> 985
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(985)
 <223> n = a,t,c or g

<400> 859

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acctgcacga	cgttcatagt	tgactccaca	gatccgggga	gcctggattg	tcactggggg	120
tctgcacacg	ggcatcggcc	ggcatgttgg	tgtggctgta	cgggaccatc	agatggccag	180
cactgggggc	accaaggtgg	tggccatggg	tgtggccccc	tggggtgtgg	tccggaatag	240
agacaccctc	atcaacccca	agggctcgtt	ccctgcgagg	taccggtggc	gcggtgaccc	300
ggaggacggg	gtccagtttc	ccctggacta	caactactcg	gccttcttcc	tggtggacga	360
cggcacacac	ggctgcctgg	ggggcgagaa	ccgcttcgcg	ttgcgcctgg	agtcctacat	420
ctcacagcaa	aacacggccg	tggcagggac	tgggaattgac	atccctggcc	tgctcctcct	480
gaaagaatgt	gatgagaaga	tggtgacgcg	aatacacaaac	gccagccagg	ctcagctccc	540
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gaataccctc	ttgcccccg	gaacggtggg	tttccagcct	acgccccgaa	ccccgagaat	660
gcacccacgc	gcctcgtttt	gctgaattga	ngatccttgg	acgtccttgc	atcccacatc	720
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tatccgacct	tatgactcgg	ttccccgatc	aacaatcgac	tagtacgggc	cgcggccacc	900
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<210> 860

<211> 396

<212> DNA

<213> Homo sapiens

<400> 860

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cagaaagagc	agcactatga	ggaaaagatt	aaagtgttgg	acaatcagat	aaagaaagac	180
ctggctgaca	aggagacact	ggagaacatg	atgcagagac	acgaggagga	ggcccatgag	240
aagggcaaaa	ttctcagcga	acagaaggcg	atgatcaatg	ctatggattc	caagatcaga	300
tccctggaac	agaggattgt	ggaactgtct	gaagccaata	aacttgcagc	aaatagcagt	360
ctttttaccc	aaaggaacat	gaaggcccaa	tgtatt			396

<210> 861

<211> 686

<212> DNA

<213> Homo sapiens

<400> 861

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ccagcaactt	tgaaaacatc	ctgacgtggg	acagcgggce	agagggcacc	ccagacacgg	180
tctacagcat	cgagtataag	acgtacggag	agagggactg	ggtggcaaag	aagggctgtc	240
agcggatcac	ccggaagtcc	tgcaacctga	cgggtggagac	gggcaacctc	acggagctct	300
actatgccag	ggtcaccgct	gtcagtgcgg	gaggccggtc	agccaccaag	atgactgaca	360
ggttcagctc	tctgcagcac	actaccctca	agccacctga	tgtgacctgt	atctccaaag	420
tgagatcgat	tcagatgatt	gttcatccta	ccccacgcc	aatccgtgca	ggcgatggcc	480
accggctaac	cctggaagac	atcttccatg	acctgttcta	ccacttagag	ctccaggtca	540
accgcacctc	ccaaatgggtg	agtgtatgtt	gcaccctggg	ctttctctgc	ctaggaagcc	600
tcttccctcc	caattagatc	tgagttgctt	taagaaaaaa	aggggacatg	ttatgtaaat	660
tagcatttcc	cacaacatgt	cccttg				686

<210> 862
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 862
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 catggaccaaa cagatcacag cagtcacccct caaccgcatg gaatacacagac tgcagaaggg 180
 agctggcttc cacctggacc tcttctgtgt ggctgtgtgt atgctactca catcagcgt 240
 tggactgcct tgggtatgtct cagccactgt catctccctg gctcacatgg acagtcttcg 300
 gagagagagc agagcctgtg cccccgggga gcgccccaac ttcctgggta tcaggggaaca 360
 gaggtgaca ggcctgggtg tgt 383

<210> 863
 <211> 673
 <212> DNA
 <213> Homo sapiens

<400> 863
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 agccaaggat gccgttcagc acttgcacag cacttccgtc atgggcaaca ttatccacgt 120
 ggagctggac accaaagggtg agcctggcag gggaggagcg tggggagacc tgtcagcccg 180
 accctttccc tccccaccct tcctgcagcg tggggaggagc cccccctcac tcttccttgg 240
 gatccccccc cacaacctta tttcttagcc ccctcctgag ggtagagtcg cgtggagcta 300
 aatgtgttgt ctgttgctag gagacagtct gtaatttacc aaatgtgccg gtccttggcc 360
 accgcacccc tagggaccac ccggaggctt cccaccgct gacacccccg cgggccccct 420
 ctctgagccc tgggtggcttg ggttttagaca gtccccagtg ttgcctgtgt taggggagga 480
 gacagagttt gtttacttgt gggggactga ggaagtgcc ctaggatgcc ttgaaataca 540
 tcaagagaag gtctgaaaac tgaaaagaga gtcccttaag gatccagggt gtccccccac 600
 ctcttctgtg acccttcccc tctggaagtg gcagccaatc tggggcccag gaatgttgtt 660
 tcattgataa ggg 673

<210> 864
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = a,t,c or g

<400> 864
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 ttttaggatg ggaattgaga tgtaagattt gggggtgagg gccnccctga cccataggcc 180
 tgacatcctc atcctatgga ccctagagtc tggccactcc aggaacctga cctgctctgt 240
 gcccgcggcc tgtaagcata gaacaccccc catgatctcc tggagtgggg cctccgagac 300

ctccccgggc cccactactg cccgttcctc agtgctcacc cttaccccaa agccccagga 360
nnaccgggcc agccctcacc tgnagggtg accttgccctg gggacagggt gtgaccacag 420
accnatacct ntncg 435

<210> 865
<211> 2161
<212> DNA
<213> Homo sapiens

<400> 865
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tgatctaata ccgggagact tgagggacct ccgagtagaa cctgttacia ctagtggtgc 180
aacaggggac tattcaattt tgatgaatgt aagctgggta ctccggggcag atgccagcat 240
ccgcttggtg aaggccacca agatttgtgt gacgggcaaa agcaacttcc agtcctacag 300
ctgtgtgagg tgcaattaca cagaggcctt ccagactcag accagaccct ctgggtggtaa 360
atggacattt tctacatcg gcttcctgt agagctgaac acagtctatt tcattggggc 420
ccataatatt cctaatacaa atatgaatga agatggccct tccatgtctg tgaatttcac 480
ctcaccaggc tgcctagacc acataatgaa atataaaaaa aagtgtgtca aggccggaag 540
cctgtgggat ccgaacatca ctgcttgtaa gaagaatgag gagacagtag aagtgaactt 600
cacaaccact cccctgggaa acagatacat ggctcttctc caacacagca ctatcatcgg 660
gttttctcag gtgtttgagc cacaccagaa gaaacaaacg cgagcttcag tgggtgattcc 720
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cagcgactgc atccgacata aagggaacagt tgtgctctgc ccacaaacag gcgtcccttt 840
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gctgggtggc acatgggtgc tgggtggcagg gatctatcta atgtggaggc acgaaaggat 960
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tgacgtcaac agtgtgtgcg atggtacctg tggcaagagc gagggcagtc ccagtgaaga 1260
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cttgatgat ttggtatttg cataagacct tccctctaca aactagattc atatcttgat 2100
tcttgtagag gtgcctttta acatgaacaa caaaataccc acaaacttgt ctacttttgc 2160
c 2161

<210> 866
<211> 505
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(505)
 <223> n = a,t,c or g

<400> 866
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 tgggggttga atattctact ttgttattta tatcatcata tcttccctgg ttgtggtgaa 120
 catgtacatt gcagtcatac tggagaattt tagtggtgcc actgaagaaa gtactgaacc 180
 tctgagttag gatgactttg agatgttcta tgaggtttgg gagaagtttg atcccgatgc 240
 gacccagttt atagagttct cttaaactctc tgattttgca gctgccctgg atcctcctct 300
 tctcatagca aaaccaaca aagtccagct cattgccatg gatctgcccc tggttagtgg 360
 tgaccggatc cattgtcttg acatcttatt tgcttttaca aagcgtgttt tgggtgagag 420
 tggggagatg gattctcttc gttcacagat ggaagaaagg ttcattgtctg caaatccttc 480
 caaagtgtcc tatgaacca tcaca 505

<210> 867
 <211> 608
 <212> DNA
 <213> Homo sapiens

<400> 867
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 gcagctctga accccaaagc ggctcctctg aattcccagt ttcaagttcc actctgtccc 120
 tgctgggcat ctcgagatat gggaaacagg gctgttataa ttgccagaca gctgagttct 180
 gtacatacct tgatttgcaa ttttttttgg ctgcttctca ggacaactgg gggagattta 240
 gattccttaa aatgcagtta tgaatctatt ggctcact ctatttctac ccatgaattc 300
 atttgtactt ggcaaagacg acttaatttc tcatttggtta tgtcatttaa acctctcttt 360
 agagcctctc ctcaactctta cctgttaata atcggaagtc agctacatga aacgttcaat 420
 ttgggttcca tctcctctga agaaaaatgc agttaaaaaa aaaataagag gtttggccag 480
 ccgcagtggc tcacacctgt aatcccagca ttttgggagg ccgaggcagt cagatcacct 540
 gggggcgggg gttcggggaa cggcctggcc caacacagga gaaaccccgt cttatactaa 600
 acaatata 608

<210> 868
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(772)
 <223> n = a,t,c or g

<400> 868
 tttcgtagcg caggcagggg tccctgctgg ggcccgggct gccagccat gctttgggca 60
 ctctggccaa ggtggctggc agacaagatg ctgcccctcc tgggggcagt gctgcttcag 120
 aagagagaga agagggggccc tctgtggagg cactggcggc gggaaacctc ccatactat 180
 gacctccagg tgaagggtgct gagggccaca aacatccggg gcacagacct gctgtccaaa 240
 gccgactgct atgtgcaact gtggctgccc acggcgtccc caagccctgc ccagactagg 300
 atagtggcca actgcagtga ccccgagtgg aatgagacct tccactacca gatccatggt 360
 gctgtgaaga acgtcctgga gctcaccctc tatgacaagg acatcctggg cagcgaccag 420
 ctctctctgc tctgttttga cctgagaagc ctcaagtgtg gccaacctca caaacacacc 480

ttcccactca	accaccagga	ttcacaagag	ctgcaggtgg	aatttgttct	ggagaagage	540
caggagcctg	catctgaagt	catcaccaac	ggggttcttg	gggctcacc	ctggctgaga	600
atgaagggtg	tgattttggg	agaggggaga	gccccacggc	aacagcacgg	ccaatcttgg	660
gagggggggg	tgggaccctc	ccccctctcc	ccnngnanaa	acaccggagg	gaagatagtt	720
gggttttggg	aagaaatggc	gaatgggacc	ggcgccccac	cccgcccccc	ct	772

<210> 869
 <211> 704
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = a,t,c or g

<400> 869						
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aaaaccaggt	agactggaaa	ggatgtgtct	acagtaactg	aaacacatca	ctgcgttttg	180
ttacagtcaa	tgatagggca	gatctgagtt	ccagagcacg	gctcacagac	ctttccttgc	240
atcagtctgt	gccgaagtcn	nnnnnnnnnc	ttttttcttt	ttttgcccac	attacatcac	300
ttcataattt	accacctacg	tagcatgact	gtatatattg	aatcatttct	tcacaagttt	360
tagaccatat	taaaggaaca	ctggcagaac	cctgtttgat	ttccctttcg	tctgttcccc	420
tacattgccc	tcctggcccc	cttgaggaac	tagatgagcg	attagaactg	gccagaggtc	480
cttgaggagaa	ca'acagcgaa	acagaagcat	tagtagcatt	gtcctcccca	gtctaactct	540
tgtcggaccc	ctgatgagca	gacttccttg	tgggggtgtc	atatcccat	gccccgctca	600
gtgggcttca	tgtctgagtc	atatttgctt	gctttccttt	gaggtggtgg	gcgccaaggt	660
tgtgacaaat	gcccggagtc	ctggagctcg	ctgttacggg	tttg		704

<210> 870
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 870						
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gtctgtactg	cgtttatgag	ctgtgacact	cgccgtgaag	gtctgcagct	tcactcctga	120
accagcgaga	ggaggaaccc	accagaagga	ggaaaacgcg	gaacacatct	gaatatcaga	180
aggaacaaac	tccagacacg	ccgcctttta	gaactgtaac	agtcaccgcg	aggggtccgtg	240
gtttcattct	tgaagtaagt	gagaccaaga	acctgccaat	ttcagacaca	atggagagcg	300
ccagtcctgc	tgcggggcca	tacatctatt	taatttcctc	tcactctccc	cccggttccg	360
agaggaaggt	gctttcacct	gcactgttc				389

<210> 871
 <211> 643
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (643)
 <223> n = a,t,c or g

<400> 871

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ccgggagcgc	gcggatgtcg	gtgttcctgg	ggccagggat	gccctctgca	tctttattag	180
taaatcttct	ttcagcttta	ctcatcctat	ttgtgtttgg	agaaacagaa	ataagattta	240
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gtgacttttt	tgacacatat	gctgcagctt	ttatacctgc	cggagaaaca	aacagaacag	420
tgtacatagc	agtatgtgat	gatgacttac	cagagcctga	cgaaactttt	atttttcaact	480
taacattaca	gaaaccttca	gcaaagtgtga	agcttgggatg	gccaaggact	gttactgtga	540
caatattatc	aaatggacaa	atggcatttt	gggaatttat	tttcatttta	aatattggcc	600
ttccccctcc	aattccgcca	agtgggaagnt	tgaaagcccc	cct		643

<210> 872
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (498)
 <223> n = a,t,c or g

<400> 872

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cgcggcccgc	catggatgtg	gaggaggcgt	tccaggcggt	gggggagatg	ggcatctacc	120
agatgtactt	gtgcttcctg	ctggccgtgc	tgctgcagct	ctacgtggcc	acggaggcca	180
tcctcattgc	actggttggg	gccacgccat	cctaccactg	ggacctggca	gagctcctgc	240
caaatacagag	ccacggtaac	cagtcagctg	gtgaagacca	ggcctttggg	gactggctcc	300
tgacagccaa	cggcagtgag	atccataagc	acgtgcattt	cagcagcagc	ttcacctcta	360
tcgcctcgga	gtggttttta	attgccaaaca	gatcctacaa	agtcagtgcg	gcaagctctt	420
ttttcttcag	tggtgtattt	gttgaggtta	tctcttttgg	tcagctttca	gatcgcttcg	480
gaaggaaaaa	agtcctatc					498

<210> 873
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 873

tttcgtctgt	gagctgcggc	agctgagcag	aggcggcggc	gcgggacctg	cagtcgccag	60
ggattccctc	caggtgacga	tgctctgggt	ctccggcgtc	ggggctctgg	ctgagcggtta	120
ctgcgcgcgc	tcgcctggga	ttacgtgctg	cgtcttgctg	ctactcaatt	gctcgggggt	180
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tgaagtcctc	cagattccat	ttatcacaga	caacccttgc	ataatgtgtg	tctgcttgaa	300
caaggaagtg	acatgtaaga	gagagaagtg	ccccgtgctg	tcccagagact	gtgccctggc	360
catcaagcag	aggggagcct	gttgtgaaca	gtgcaaaggt	tgca		404

<210> 874
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 874
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 tacttggttt ccgtctgcct gtgtgttgcc gttattgtcg ccttccagtt aacagctttt 240
 actttccgca agaacttggc agccacggcc ctctgtgtgt cacttttcgg atatgcaact 300
 ctcccatgga tgtacctgat gtccagaatc ttttccagtt cggacgtggc tttcatttcc 360
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 ttgctagcca tcac 435

<210> 875
 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 875
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 gtgctgcggc gagtaatccc gaatgtacgg tggagtgcgc agactgaccc ccaggaggca 600
 caggaggcgt agccccagc acccagcaca cttttagggt tcagaaaaa agttttcatt 660
 caacataaaa aaaaaaaaaat tcctaaagac aaaaaaaaaa aaa 703

<210> 876
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 876
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 gctgctgcaa ccggaaccgc atcgaggagc gctcccagac ggtgaaatgc tcctgttttt 300
 ctggccagggt ggccggcacc acgcgggcaa agcctcctg cgtggacgac ctgctcttgg 360
 ctgcccactg tgctcgtaga gacctagag ctgcactcgc cctcctgctt ccacagcctc 420
 catcgtcct 429

<210> 877
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 877
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 gggggcatgg gcccaggctt ccagtactag cctctctgat ctgcagagct ccaggacacc 180
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<210> 878
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<400> 878
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 gtcattgcca tcacatgtgt ggtctgggtc ttgtatgtgc tcattgaccg tactgctgag 300
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<210> 879

<211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = a,t,c or g

<400> 879

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aatatttgcc	cacggcctcc	caggcccagg	cccatgccac	ctgggccccg	gcatctgttt	180
gaggatctgc	caatgtgctc	ttaactgagg	acgaaggaag	aacaccttcc	tatgagtctt	240
gcaaagatta	cctccttcag	gccacaaata	tttgagtgc	cactacgtgc	caggcactgt	300
gcagggtctgc	aggcatagag	acagaatgta	atctatctgg	gccttggacc	ccatagggag	360
aggggaccac	tcaggcccat	acttcctttg	gacttggggc	tttggccttg	ggagggggcg	420
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<210> 880
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 880

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gcctgggttc	tggagaacat	ggctgtgttg	accataagca	gtgctactct	ggccatcggt	240
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gattttggga	tgtcagtcgt	catgctgagc	tacctcttga	gtgcattttt	cagccaagct	360
aatacagcgg	ccctttgtac	cagcctgggt	tacatgatca	gctttctgcc	ctacatagtt	420
ctattgggtc	tacataacca	attaagtttt	gttaatcaga	catttctgtg	ccttctttcg	480
acaaccgcct	ttggacaagg	ggtatttttt	attacattcc	tggaaggaca	agagacaggg	540
attcac						546

<210> 881
 <211> 918
 <212> DNA
 <213> Homo sapiens

<400> 881

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acatttataa	aaatggaaaa	ctatttgaga	cataaacagt	tgtgtgatgt	aatttttagtc	840
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<210> 882
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = a,t,c or g

<400> 882						
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tcaacttaag	attgatccac	at'ttttactg	taagcagaaa	cttaggaccc	aagattataa	240
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tgtgtgtgga	gctggatgag	cacaacctgc	cccgg'ttccc	cgagtggatc	accatccccc	540
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ttgg						604

<210> 883
 <211> 1206
 <212> DNA
 <213> Homo sapiens

<400> 883						
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ctcgat						1206

<210> 884
 <211> 420
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = a,t,c or g

<400> 884						
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cggtgcagca	gtattcgccc	aacgggcgta	tcggaaacca	ctgatctcgt	tccttgctcg	180
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cgactatctc	aaagccttca	tcgacgtccc	aaccgttcca	gcggcgctcg	tcttctcgct	300
cctggtggga	cttctcaatg	ccagaggcat	caaggagtcc	atgcgcgcca	ncgtcgatcat	360
gacagtcgtg	gaagtcaccg	ggctcgtcct	cgttgctcgtc	ctcgcgctcg	tgccaggcag	420

<210> 885
 <211> 1696
 <212> DNA
 <213> Homo sapiens

<400> 885						
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aggggcccgc	ctggcgaggt	caaaacattt	agtctgggtc	tttcagcgtg	gaccctgcca	120
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<210> 886
 <211> 1410
 <212> DNA
 <213> Homo sapiens

<400> 886						
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<210> 887
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 887						
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agataccagc	ttcgtataaa	ccatttcaaa	gatgtccttt	cagggtgtcac	gggaagtctc	360
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<210> 888
 <211> 887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(887)
 <223> n = a,t,c or g

<400> 888

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ataggtcaag	taagtaaata	gagattttaa	aaattatgaa	cacaaaggaa	gtaacagcct	180
tcctgtcttg	ctgtagtaac	tgaccatatg	cgtttatatc	atgctaattg	tgcaatttat	240
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tgggttttgt	agtaaaattc	tcagttattt	tttttcttcg	ccaagataca	gattaccttt	360
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aaaatgggac	agggcctgct	aagttcaaca	tacctcacag	tgttacactt	gattcagctg	840
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<210> 889
 <211> 1871
 <212> DNA
 <213> Homo sapiens

<400> 889

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<210> 890
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 890						
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gacttgtctt	cggtagggac	agtcaagtca	ggcaaaaccg	tgaacttggc	tacagcaggc	180
acaatcaagc	cgggcacagc	catgaatctg	actacagttg	ggacaaccaa	gccagggatg	240
gtcatggatt	tgatagcctc	agaaccagac	aagctgggca	aagccatggc	tacaagaagc	300
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gtcaagccgg	acatgtatt					379

<210> 891
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 891						
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tctgcctcct	ggggaaccgc	acgctgtcac	ggcgcagctt	cgatgcctgc	gtcaaggcct	240
acggcatcca	caacaactca	gccacctccg	cgctctgggg	cctcttctgc	aacggctccc	300
agcccagcgc	cgctgtgac	gagtacttca	tccagaacaa	cgtcaccgaa	attcagggca	360
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<210> 892
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 892						
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tcagagcccc	cggaggagca	ctgtggactc	ggcagaggac	gtccactccc	tggacagctg	120
tgaatacatc	tgggaggttg	gtgtgggctt	cgctcactcc	ccccagccta	actacatcca	180
cgatatgaac	cggatggagc	tgctgaaact	gctgctgaca	tgcttctccg	aggccatgta	240

cctgccccca	gctccggaaa	gtggcagcac	caacccatgg	gttcagttct	tttgttccac	300
ggagaacaga	catgccttgc	ccctcttcac	ctccctcctc	aacaccgtgt	gtgcctatga	360
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<210> 893
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 893						
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agctggacaa	gatgctggac	ccccaggtgt	ggcgggaggg	agctacccag	gtcttctctg	180
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actgccactt	cgatgccgcc	ctggtgtcct	tcatacaact	cttcacgtca	gtgttgcca	300
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<210> 894
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 894						
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<210> 895
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = a,t,c or g

<400> 895						
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tcagcttgag	agacctgata	gagatgatgt	ctatcggcac	gctcctggcc	tacaccttgg	300
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agttcttgtc	tgaggagcac	acgtgtagt				389

<210> 896
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 896
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 caaatggggc aaagatgggc ctctgatga tgattctagg ccaaattatc ctgaatggca 180
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 ggaggctttc catttttggg aacccaaaga gacttctgtc tgtggagttt gtatggcagc 300
 gttacttaga ctacaggcca gtaactgact gtaaaccagt ggagtatgag tttttctggg 360
 gcccaagatc ccacctagaa accaccaaga tgaaaattct gaagtcatg gcgaa 415

<210> 897
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 897
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 agaaagagtt tgttgctcag cccaactgcc aacagttgct tgccaacctg tggtatgatg 180
 gcttccctgg atggcggcgg aaacactggg tagtcaagct tctaacctgc atgaccattg 240
 ggttcctgtt tcccatgctg tctatagcct acctgatctc acccaggagc aaccttgggc 300
 tgttcatcaa gaaacccttt atcaagttta tctgccacac agcatcctat ttgaccttcc 360
 tctctatgct tctcctggct tctcagcaca ttgtcaggac agaccttcat gtacaggggc 420
 cctgtatt 428

<210> 898
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = a,t,c or g

<400> 898
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 caatgccatg ctacagttgg gcccttctt atattggaca tttctggctg cctttgaagg 180
 gacagtgttc ttctttggga ctactttct ttttcagact gcatccctag aagaaaatgg 240
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 tctcaagcaa cagagaatgg cgaa 444

<210> 899
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 899
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 agcctttcaa ggtgaacaga atgatttcaa ctccagccaa ggtgggaaag acttttgcca 180
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<210> 900
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (466)
 <223> n = a,t,c or g

<400> 900
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 gccctggctg ctttcctttc ctactgcctt ggaatgggtg ttgctcttaa gatgtatccc 420
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<210> 901
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 901
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 gctgaatggc taccgtgtct ggatagccaa agcagaggaa gtcatgctcg ctgaagaaaa 360
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<210> 902
 <211> 1334
 <212> DNA
 <213> Homo sapiens

<400> 902
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<210> 903
 <211> 701
 <212> DNA
 <213> Homo sapiens

<400> 903
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 gaaaagccca atcttcagct cccaaagtta ggaaaagtgt cagtagtcga atccatgaag 180
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<210> 904
 <211> 546
 <212> DNA

<213> Homo sapiens

<400> 904

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<210> 905

<211> 2642

<212> DNA

<213> Homo sapiens

<400> 905

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1691

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<210> 912
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(814)
 <223> n = a,t,c or g

<400> 912						
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cccaaagtgc	tgggattaga	ggtgtgaacc	actgtgcccc	gccattaat	tcacttttga	480
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ataaaaaaat	ggtggtgaag	cagatttggc	ctcccaattg	tttctcagc	cctgacctan	780
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<210> 913
 <211> 687
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(687)
 <223> n = a,t,c or g

<400> 913						
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<210> 914
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 914						
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ttttcagggt	ttacattaaa	aataatacag	cagtgagcat	tcttggtcat	atctcttttg	480
aacatgtgtg	agcttttctg	ttctttacat	aagaggagga	atgattggac	cttagagtac	540
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ccacactagc atcataagcc

620

<210> 915
<211> 788
<212> DNA
<213> Homo sapiens

<400> 915
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<210> 916
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (758)
<223> n = a,t,c or g

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<210> 917
<211> 2709
<212> DNA

<213> Homo sapiens

<400> 917

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<210> 918

<211> 1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1327)
 <223> n = a,t,c or g

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<210> 919
 <211> 1463
 <212> DNA
 <213> Homo sapiens

<400> 919
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<210> 920
 <211> 761
 <212> DNA
 <213> Homo sapiens

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<210> 921
 <211> 1225
 <212> DNA
 <213> Homo sapiens

<400> 921						
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<210> 922
 <211> 1589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1589)
 <223> n = a,t,c or g

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<213> Homo sapiens

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<213> Homo sapiens

<400> 931

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<210> 932

<211> 2361

<212> DNA

<213> Homo sapiens

<400> 932

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 1691
 <212> DNA
 <213> Homo sapiens

<400> 937

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 <211> 1272
 <212> DNA
 <213> Homo sapiens

<400> 938

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 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 939						
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 <211> 538
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 941

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 <211> 2226
 <212> DNA
 <213> Homo sapiens

<400> 942

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 <211> 1026
 <212> DNA
 <213> Homo sapiens

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<210> 945

<211> 2127

<212> DNA

<213> Homo sapiens

<400> 945

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 <211> 1759
 <212> DNA
 <213> Homo sapiens

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<210> 947
 <211> 1033
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

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 <211> 401
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 949						
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 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 950
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 <211> 1321
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(1321)
 <223> n = a,t,c or g

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<210> 952
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<211> 1205

<212> DNA

<213> Homo sapiens

<400> 953

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 <213> Homo sapiens

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<210> 956
 <211> 1286

<212> DNA

<213> Homo sapiens

<400> 956

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<210> 957

<211> 2874

<212> DNA

<213> Homo sapiens

<400> 957

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<211> 1139

<212> DNA

<213> Homo sapiens

<400> 958

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<210> 961

<211> 679

<212> DNA

<213> Homo sapiens

<400> 961

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<210> 962

<211> 782

<212> DNA

<213> Homo sapiens

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 <222> (1)...(782)
 <223> n = a,t,c or g

<400> 962
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<210> 963
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 <212> DNA
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<210> 964
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<400> 964						
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<210> 965
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 965						
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<210> 966
 <211> 617

<212> DNA
<213> Homo sapiens

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<210> 967
<211> 1446
<212> DNA
<213> Homo sapiens

<400> 967
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<210> 968
<211> 1495
<212> DNA
<213> Homo sapiens

<400> 968

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<210> 969

<211> 999

<212> DNA

<213> Homo sapiens

<400> 969

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<210> 970

<211> 865

<212> DNA

<213> Homo sapiens

<400> 970

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<210> 971

<211> 630

<212> DNA

<213> Homo sapiens

<400> 971

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<210> 972

<211> 426

<212> DNA

<213> Homo sapiens

<400> 972

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<210> 973
<211> 542
<212> DNA
<213> Homo sapiens

<400> 973
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<212> DNA
<213> Homo sapiens

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<211> 2659

<212> DNA

<213> Homo sapiens

<400> 975

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<211> 1505

<212> DNA

<213> Homo sapiens

<400> 976

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<210> 977

<211> 1576

<212> DNA

<213> Homo sapiens

<400> 977

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<210> 978

<211> 1694

<212> DNA

<213> Homo sapiens

<400> 978

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<211> 2203

<212> DNA

<213> Homo sapiens

<400> 979

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 <211> 396
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 2172
 <212> DNA
 <213> Homo sapiens

<400> 982
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<210> 983

<211> 377

<212> DNA

<213> Homo sapiens

<400> 983

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<210> 984

<211> 1813

<212> DNA

<213> Homo sapiens

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<210> 985

<211> 379

<212> DNA

<213> Homo sapiens

<400> 985

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<210> 986

<211> 876

<212> DNA

<213> Homo sapiens

<400> 986

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<210> 987

<211> 1884

<212> DNA

<213> Homo sapiens

<400> 987

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<210> 988

<211> 935

<212> DNA

<213> Homo sapiens

<400> 988

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<210> 989

<211> 2528

<212> DNA

<213> Homo sapiens

<400> 989

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 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 990						
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 <211> 335
 <212> DNA
 <213> Homo sapiens

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<210> 992
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 992						
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<210> 993
 <211> 1038
 <212> DNA
 <213> Homo. sapiens

<400> 993

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<210> 994
 <211> 1459
 <212> DNA
 <213> Homo sapiens

<400> 994

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<210> 995
 <211> 650
 <212> DNA
 <213> Homo sapiens

<400> 995						
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<210> 996
 <211> 742
 <212> DNA
 <213> Homo sapiens

<400> 996						
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<210> 997

<211> 745
 <212> DNA
 <213> Homo sapiens

<400> 997
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<210> 998
 <211> 1040
 <212> DNA
 <213> Homo sapiens

<400> 998
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<210> 999
 <211> 2528
 <212> DNA
 <213> Homo sapiens

<400> 999
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<211> 399

<212> DNA

<213> Homo sapiens

<400> 1000

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<210> 1002
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 1002
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<210> 1003
 <211> 401
 <212> DNA
 <213> Homo sapiens

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<210> 1004

<211> 666

<212> DNA

<213> Homo sapiens

<400> 1004

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<210> 1005

<211> 1968

<212> DNA

<213> Homo sapiens

<400> 1005

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<210> 1006
 <211> 380
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1008
 <211> 1145
 <212> DNA
 <213> Homo sapiens

<400> 1008

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<210> 1009

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1009

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<210> 1010

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1010

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			20					25						30	

Gly Gly Leu His Ser Ile Arg Thr Gly Met Arg Glu Arg Tyr His Ile
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 Gln Gly Ser Val Gly His Asp Trp Ala Ala Leu Thr Phe Trp Leu Pro
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 <211> 83
 <212> PRT
 <213> Homo sapiens

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 Ala Pro Gly Ser Arg Ser Ser Gly Pro Arg Arg Asn His His Trp Ile
 35 40 45
 Ser Arg Tyr Thr Glu Ala Glu Pro Leu Trp Lys Ala Gln Asp Ile Ser
 50 55 60
 Thr Phe Cys Pro Ser Val Ala Val Thr Phe Arg Gly Asn Ser Val Asn
 65 70 75 80
 Phe Ala *
 82

<210> 1012
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 1012
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 Val Tyr Leu Ile Tyr Leu Leu Leu Ile Pro Leu Phe Ser Glu Pro Thr
 35 40 45
 Lys Thr Thr Met Gln Gly His Thr Gly Arg Leu Leu Lys Ser Leu Cys
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 Phe Ile Ser Leu Ser Phe Leu Leu Leu His Ile Ile Phe His Ile Thr
 65 70 75 80
 Leu Val Ser Leu Glu Ala Gln His Arg Ile Ala Pro Gly Tyr Asn Cys
 85 90 95
 Ser Thr Trp Glu Lys Thr Phe Arg Gln Ile Gly Phe Glu Ser Leu Lys
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 Met Val Ile
 130 131

<210> 1013
 <211> 231
 <212> PRT
 <213> Homo sapiens

<400> 1013
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 Tyr Tyr Ser Leu Ala Ala Ser Thr Leu Gly Thr Phe Ala Leu Ser Ala
 35 40 45
 Leu Val Gly Glu Asp Gly Arg Leu Asp Met Val His Ile Gln Asn Ala
 50 55 60
 Ala Leu Ala Gly Gly Val Val Val Gly Thr Ser Ser Glu Met Met Leu
 65 70 75 80
 Thr Pro Phe Gly Ala Leu Ala Ala Gly Phe Leu Ala Gly Thr Val Ser
 85 90 95
 Thr Leu Gly Tyr Lys Phe Phe Thr Pro Ile Leu Glu Ser Lys Phe Lys
 100 105 110
 Val Gln Asp Thr Cys Gly Val His Asn Leu His Gly Met Pro Gly Val
 115 120 125
 Leu Gly Ala Leu Leu Gly Val Leu Val Ala Gly Leu Ala Thr His Glu
 130 135 140
 Ala Tyr Gly Asp Gly Leu Glu Ser Val Phe Pro Leu Ile Ala Glu Gly
 145 150 155 160
 Gln Arg Ser Ala Thr Ser Gln Ala Met His Gln Leu Phe Gly Leu Phe
 165 170 175
 Val Thr Leu Met Phe Ala Ser Val Gly Gly Gly Leu Gly Gly Ile Ile
 180 185 190
 Leu Val Leu Cys Leu Leu Asp Pro Cys Ala Leu Trp His Trp Val Ala
 195 200 205
 Pro Ser Ser Met Val Gly Gly Arg Glu Ala Ser Gln Ile Leu Pro Tyr
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 His His Gln Gly Ser Cys *
 225 230

<210> 1014
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 1014
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 Ala Val Val Phe Trp Arg Ser Ala Pro Asp Pro Gly Ala Leu Gly Phe
 35 40 45
 Phe Ser Ile Trp Lys Tyr His Gln Leu Arg Leu *
 50 55 59

<210> 1015

<211> 112
 <212> PRT
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 Ile Leu Asn Leu Ile Ile Val Gly Ala Gly Val Ile Met Ala Cys Phe
 35 40 45
 Tyr Pro Asn Ile Gly Gly Ile Ile Arg Tyr Ser Gly Ala Ala Cys Gly
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 His Gln Glu Glu Arg Leu Thr Trp Pro Lys Leu Ile Phe His Val Phe
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 <212> PRT
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 35 40 45
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 Tyr Phe Tyr *
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<210> 1017
 <211> 51
 <212> PRT
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<400> 1017
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 Ile Phe *
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<210> 1018
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 1018
 Met Leu Arg Phe Tyr Leu Ile Ala Gly Gly Ile Pro Leu Ile Ile Cys
 1 5 10 15
 Gly Ile Thr Ala Ala Val Asn Ile His Asn Tyr Arg Asp His Ser Pro
 20 25 30
 Tyr Cys Trp Leu Val Trp Arg Pro Ser Leu Gly Ala Phe Tyr Ile Pro
 35 40 45
 Val Ala Leu Ile Leu Leu Ile Thr Trp Ile Tyr Phe Leu Cys Ala Gly
 50 55 60
 Leu Arg Leu Arg Gly Pro Leu Ala Gln Asn Pro Lys Ala Gly Asn Ser
 65 70 75 80
 Arg Ala Ser Leu Glu Ala Gly Glu Glu Leu Arg Gly Ser Thr Arg Leu
 85 90 95
 Arg Gly Ser Gly Pro Leu Leu Ser Asp Ser Gly Ser Leu Leu Ala Thr
 100 105 110
 Gly Ser Ala Arg Val Gly Thr Pro Gly Pro Pro Glu Asp Gly Asp
 115 120 125 127

<210> 1019
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 1019
 Met Gly Ser Ser Arg Leu Ala Ala Leu Leu Leu Pro Leu Leu Leu Ile
 1 5 10 15
 Val Ile Asp Leu Ser Asp Ser Ala Gly Ile Gly Phe Arg His Leu Pro
 20 25 30
 His Trp Asn Thr Arg Cys Pro Leu Ala Ser His Thr Asp Asp Ser Phe
 35 40 45
 Thr Gly Ser Ser Ala Tyr Ile Pro Cys Arg Thr Trp Trp Ala Leu Phe
 50 55 60
 Ser Thr Lys Pro Trp Cys Val Arg Val Trp His Cys Ser Arg Cys Leu
 65 70 75 80
 Cys Gln His Leu Leu Ser Gly Gly Ser Gly Leu Gln Arg Gly Leu Phe
 85 90 95
 His Leu Leu Val Gln Lys Ser Lys Lys Ser Ser Thr Phe Lys Phe Tyr
 100 105 110
 Arg Arg His Lys Met Pro Ala Pro Ala Gln Arg Lys Leu Leu Pro Arg
 115 120 125
 Arg His Leu Ser Glu Lys Ser His His Ile Ser Ile Pro Ser Pro Asp
 130 135 140
 Ile Ser His Lys Gly Leu Arg Ser Lys Arg Thr Pro Pro Phe Gly Ser
 145 150 155 160
 Arg Asp Met Gly Lys Ala Phe Pro Lys Trp Asp Ser Pro Thr Pro Gly
 165 170 175
 Gly Asp Arg Pro Ser Ser Phe Glu Leu Leu Pro *

<210> 1020
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1020
 Met Ile Leu Leu Cys Pro Gly Leu Thr Asp Leu Ser Val Phe Leu Phe
 1 5 10 15
 Ser Leu Thr Ile Gly His Phe Ser Arg Val Arg Gly Gln Thr Ile Thr
 20 25 30
 Ala Cys Pro Ser Ser Arg Ile Pro Ala Gly Phe Gln Asp Ile Val Gln
 35 40 45
 Gly Ser Ala Asn Ser Gly Pro Arg Ala Leu Ala Arg Cys Pro Cys Leu
 50 55 60 64
 *

<210> 1021
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1021
 Met Pro Gly Phe Lys Phe Cys Ser Ser Leu Arg Phe Leu Tyr Leu Ile
 1 5 10 15
 Asn Phe Pro Ile Gly Lys Phe Val Cys Leu Ala Ile Leu Leu Pro His
 20 25 30
 Phe Pro Leu Leu Ser Cys Cys Pro Leu Gln Asp His Leu Asp Phe Pro
 35 40 45
 Gly Lys Glu Ser Arg Tyr Ser Gly Ser Cys Trp Leu Pro Ser Tyr Ser
 50 55 60
 Leu Ser Val Ala Gly Ser Pro Leu Gly His Leu Pro Asn Thr Tyr Met
 65 70 75 80
 His Thr Pro Arg Thr Phe Ser Leu Leu Pro Ile Pro His Pro Ser Val
 85 90 95
 Asn Trp Asp Ser Phe Lys Pro Phe Ser Ile Arg Glu Ala Leu Ala Thr
 100 105 110
 Val Glu Ser Leu Gly Arg Gln Ala Phe Pro Asn Thr Pro Thr Thr Trp
 115 120 125
 Ala Phe Thr Leu His Leu Ser *
 130 135

<210> 1022
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 1022
 Met Ala Gly Pro Arg Pro Arg Trp Arg Asp Gln Leu Leu Phe Met Ser

1				5					10					15		
Ile	Ile	Val	Leu	Val	Ile	Val	Val	Ile	Cys	Leu	Met	Leu	Tyr	Ala	Leu	
			20						25					30		
Leu	Trp	Glu	Ala	Gly	Asn	Leu	Thr	Asp	Leu	Pro	Asn	Leu	Arg	Ile	Gly	
		35					40					45				
Phe	Tyr	Asn	Phe	Cys	Leu	Trp	Asn	Glu	Asp	Thr	Ser	Thr	Leu	Gln	Cys	
	50					55					60					
His	Gln	Phe	Pro	Glu	Leu	Glu	Ala	Leu	Gly	Val	Pro	Arg	Val	Gly	Leu	
65				70					75					80		
Gly	Leu	Ala	Arg	Leu	Gly	Val	Tyr	Gly	Ser	Leu	Val	Leu	Thr	Leu	Phe	
			85					90				95				
Ala	Pro	Gln	Pro	Leu	Leu	Leu	Ala	Gln	Cys	Asn	Ser	Asp	Glu	Arg	Ala	
		100					105					110				
Trp	Arg	Leu	Ala	Val	Gly	Phe	Leu	Ala	Val	Ser	Ser	Val	Leu	Leu	Ala	
	115				120							125				
Gly	Gly	Leu	Gly	Leu	Phe	Leu	Ser	Tyr	Val	Trp	Lys	Trp	Val	Arg	Leu	
130				135					140							
Ser	Leu	Pro	Gly	Pro	Gly	Phe	Leu	Ala	Leu	Gly	Ser	Ala	Gln	Ala	Leu	
145				150					155					160		
Leu	Ile	Leu	Leu	Leu	Ile	Ala	Met	Ala	Val	Phe	Pro	Leu	Arg	Ala	Glu	
			165					170				175				
Arg	Ala	Glu	Ser	Lys	Leu	Glu	Ser	Cys	*							
		180					185									

<210> 1023

<211> 186

<212> PRT

<213> Homo sapiens

Met	Ala	Gly	Pro	Arg	Pro	Arg	Trp	Arg	Asp	Gln	Leu	Leu	Phe	Met	Ser	
1				5					10					15		
Ile	Ile	Val	Leu	Val	Ile	Val	Val	Ile	Cys	Leu	Met	Leu	Tyr	Ala	Leu	
		20						25				30				
Leu	Trp	Glu	Ala	Gly	Asn	Leu	Thr	Asp	Leu	Pro	Asn	Leu	Arg	Ile	Gly	
	35						40				45					
Phe	Tyr	Asn	Phe	Cys	Leu	Trp	Asn	Glu	Asp	Thr	Ser	Thr	Leu	Gln	Cys	
	50					55					60					
His	Gln	Phe	Pro	Glu	Leu	Glu	Ala	Leu	Gly	Val	Pro	Arg	Val	Gly	Leu	
65				70					75					80		
Gly	Leu	Ala	Arg	Leu	Gly	Val	Tyr	Gly	Ser	Leu	Val	Leu	Thr	Leu	Phe	
			85					90				95				
Ala	Pro	Gln	Pro	Leu	Leu	Leu	Ala	Gln	Cys	Asn	Ser	Asp	Glu	Arg	Ala	
		100					105					110				
Trp	Arg	Leu	Ala	Val	Gly	Phe	Leu	Ala	Val	Ser	Ser	Val	Leu	Leu	Ala	
	115				120							125				
Gly	Gly	Leu	Gly	Leu	Phe	Leu	Ser	Tyr	Val	Trp	Lys	Trp	Val	Arg	Leu	
130				135					140							
Ser	Leu	Pro	Gly	Pro	Gly	Phe	Leu	Ala	Leu	Gly	Ser	Ala	Gln	Ala	Leu	
145				150					155					160		
Leu	Ile	Leu	Leu	Leu	Ile	Ala	Met	Ala	Val	Phe	Pro	Leu	Arg	Ala	Glu	
			165					170				175				
Arg	Ala	Glu	Ser	Lys	Leu	Glu	Ser	Cys	*							
		180					185									

<210> 1024
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1024
 Met Val Cys Leu Val Gly Phe Leu Glu Leu Ile Leu Tyr Val Tyr Arg
 1 5 10 15
 Phe Arg Gln Ser Leu Ala Leu Ser His Arg Met Glu Cys Asn Gly Thr
 20 25 30
 Ile Leu Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser Asp Ser Pro
 35 40 45
 Thr Ser Ala Ser Arg Val Ala Gly Ile Thr Gly Thr Arg His His Ala
 50 55 60
 Arg Val Ile Phe Phe Val Phe Leu *
 65 70 72

<210> 1025
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 1025
 Met Phe Tyr Lys Leu Val Leu Trp Phe Trp Trp Cys Leu Thr Thr Arg
 1 5 10 15
 Gly Asn Leu Leu Cys Leu Ala Cys Ile Phe Ala Thr Leu Ser Leu Glu
 20 25 30
 Ser Lys Asn Phe Pro Thr Leu Gln Ala Thr Leu Leu Ile Arg Gln His
 35 40 45
 Phe Ile Tyr Lys Thr Phe Val Trp Pro Thr Val Cys His Asp Leu Cys
 50 55 60
 Ser Leu *
 65 66

<210> 1026
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 1026
 Met Gln Ala Gly Ser Ala Leu Trp His Leu Trp Ala Glu Gly Arg Cys
 1 5 10 15
 Trp Leu Trp Ala Gly Phe Gly Asn Phe Gly Glu Arg Pro His Leu Lys
 20 25 30
 Thr His Thr Asp Tyr Pro Gly Pro Thr Glu Ala Ser Cys Ile Gln Pro
 35 40 45
 Tyr Phe Pro Ser Arg Ile Met Leu Ser Ala Thr Pro Leu Glu Gly Tyr
 50 55 60
 Val Phe *
 65 66

<210> 1027
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1027
 Met Leu Cys Val Trp Ile Lys Val Leu Phe Leu Leu Ile Ala Glu Ser
 1 5 10 15
 Asn Thr Trp Leu Leu Ser Pro Arg Thr Lys Asp Val Leu Lys Ser Glu
 20 25 30
 Pro Thr Gln Ile Tyr Pro His Thr Ser Arg Lys Gln Phe Lys Lys Pro
 35 40 45
 Gln Glu Ser Lys His Ser Phe Ile Gly Tyr *
 50 55 58

<210> 1028
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1028
 Met Phe Gln Val Gly Gly Arg Val Phe Lys Arg Cys Ile Phe Ser Phe
 1 5 10 15
 Cys Cys Cys His Phe Ile Gly Leu Gly Leu Gly Val Cys Phe Ser Ser
 20 25 30
 Leu Asn Gly Thr Arg Met Phe Ala Asp Ser Tyr Ser Val *
 35 40 45

<210> 1029
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1029
 Met Ala Phe Arg Thr Cys Phe Leu Ser Cys Leu Thr Val Val Lys Val
 1 5 10 15
 Cys Ser Lys Ala Ser Pro Ser Phe Ser Thr Gln Gln Pro Cys Val Thr
 20 25 30
 Thr Lys Val Glu Leu Ser Leu Ile Cys Cys Cys Phe Ser Ser Lys Leu
 35 40 45
 Pro Asn Lys Ala Lys Asn Thr Leu Val Phe Tyr Ser *
 50 55 60

<210> 1030
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1030

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Met Trp Leu Arg Lys Cys Leu Leu Gly Leu Ser Leu Ile Ser Phe Arg
 1           5           10           15
Val Cys Gly Pro Leu Ile Ala Leu Trp Val Val Ser Asp Ser Ser Ile
           20           25           30
Arg Arg Leu Asn Pro Leu Val Val Phe Leu Cys Val Cys Ala Glu Leu
           35           40           45
Gly *
49

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<210> 1031

<211> 152

<212> PRT

<213> Homo sapiens

<400> 1031

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Met Ile Val Tyr Trp Val Leu Met Ser Asn Phe Leu Phe Asn Thr Gly
 1           5           10           15
Lys Phe Ile Phe Asn Phe Ile His His Ile Asn Asp Thr Asp Thr Ile
           20           25           30
Leu Ser Thr Asn Asn Ser Asn Pro Val Ile Cys Pro Ser Ala Gly Ser
           35           40           45
Gly Gly His Pro Asp Asn Ser Ser Met Ile Phe Tyr Ala Asn Asp Thr
           50           55           60
Gly Ala Gln Gln Phe Glu Lys Trp Trp Asp Lys Ser Arg Thr Val Pro
           65           70           75           80
Phe Tyr Leu Val Gly Leu Leu Leu Pro Leu Leu Asn Phe Lys Ser Pro
           85           90           95
Ser Phe Phe Ser Lys Phe Asn Ile Leu Gly Ile Asn Asn Gln Val Ile
           100          105          110
Leu Pro Gly Val Thr Glu Met Pro Gly Tyr Cys Pro Phe Leu Leu Pro
           115          120          125
Val Ser Thr Glu Cys Cys Ala Val Ala Thr Ser Tyr Thr Cys Phe Glu
           130          135          140
Glu Lys Asn Ile Gly Gln Cys Cys
145          150          152

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<210> 1032

<211> 1764

<212> PRT

<213> Homo sapiens

<400> 1032

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Met Pro Ser Arg Leu Lys Ala Leu Gly Thr Leu Val Ser His Val Thr
 1           5           10           15
Leu Arg Leu Leu Lys Pro Glu Cys Val Leu Asp Lys Ser Trp Cys Gln
           20           25           30
Glu Glu Leu Ser Val Ala Val Lys Arg Ala Val Met Leu Leu His Thr
           35           40           45
His Thr Ile Thr Ser Arg Val Gly Lys Gly Glu Pro Gly Ala Ala Pro
           50           55           60
Leu Ser Ala Pro Ala Phe Ser Leu Val Phe Pro Phe Leu Lys Met Val

```


65					70					75					80
Leu	Thr	Glu	Met	Pro	His	His	Ser	Glu	Glu	Glu	Glu	Glu	Trp	Met	Ala
				85					90					95	
Gln	Ile	Leu	Gln	Ile	Leu	Thr	Val	Gln	Ala	Gln	Leu	Arg	Ala	Ser	Pro
			100					105					110		
Asn	Thr	Pro	Pro	Gly	Arg	Val	Asp	Glu	Asn	Gly	Pro	Glu	Leu	Leu	Pro
		115					120					125			
Arg	Val	Ala	Met	Leu	Arg	Leu	Leu	Thr	Trp	Val	Ile	Gly	Thr	Gly	Ser
		130					135					140			
Pro	Arg	Leu	Gln	Val	Leu	Ala	Ser	Asp	Thr	Leu	Thr	Thr	Leu	Cys	Ala
145						150					155				160
Ser	Ser	Ser	Gly	Asp	Asp	Gly	Cys	Ala	Phe	Ala	Glu	Gln	Glu	Glu	Val
				165					170					175	
Asp	Val	Leu	Leu	Cys	Ala	Leu	Gln	Ser	Pro	Cys	Ala	Ser	Val	Arg	Glu
			180					185					190		
Thr	Val	Leu	Arg	Gly	Leu	Met	Glu	Leu	His	Met	Val	Leu	Pro	Ala	Pro
		195					200					205			
Asp	Thr	Asp	Glu	Lys	Asn	Gly	Leu	Asn	Leu	Leu	Arg	Arg	Leu	Trp	Val
		210				215					220				
Val	Lys	Phe	Asp	Lys	Glu	Glu	Glu	Ile	Arg	Lys	Leu	Ala	Glu	Arg	Leu
225					230					235					240
Trp	Ser	Met	Met	Gly	Leu	Asp	Leu	Gln	Pro	Asp	Leu	Cys	Ser	Leu	Leu
				245					250					255	
Ile	Asp	Asp	Val	Ile	Tyr	His	Glu	Ala	Ala	Val	Arg	Gln	Ala	Gly	Ala
			260					265					270		
Glu	Ala	Leu	Ser	Gln	Ala	Val	Ala	Arg	Tyr	Gln	Arg	Gln	Ala	Ala	Glu
		275					280					285			
Val	Met	Gly	Arg	Leu	Met	Glu	Ile	Tyr	Gln	Glu	Lys	Leu	Tyr	Arg	Pro
	290					295					300				
Pro	Pro	Val	Leu	Asp	Ala	Leu	Gly	Arg	Val	Ile	Ser	Glu	Ser	Pro	Pro
305					310					315					320
Asp	Gln	Trp	Glu	Ala	Arg	Cys	Gly	Leu	Ala	Leu	Ala	Leu	Asn	Lys	Leu
				325					330					335	
Ser	Gln	Tyr	Leu	Asp	Ser	Ser	Gln	Val	Lys	Pro	Leu	Phe	Gln	Phe	Phe
			340					345					350		
Val	Pro	Asp	Ala	Leu	Asn	Asp	Arg	His	Pro	Asp	Val	Arg	Lys	Cys	Met
		355					360					365			
Leu	Asp	Ala	Ala	Leu	Ala	Thr	Leu	Asn	Thr	His	Gly	Lys	Glu	Asn	Val
	370					375					380				
Asn	Ser	Leu	Leu	Pro	Val	Phe	Glu	Glu	Phe	Leu	Lys	Asn	Ala	Pro	Asn
385					390					395					400
Asp	Ala	Ser	Tyr	Asp	Ala	Val	Arg	Gln	Ser	Val	Val	Val	Leu	Met	Gly
				405					410					415	
Ser	Leu	Ala	Lys	His	Leu	Asp	Lys	Ser	Asp	Pro	Lys	Val	Lys	Pro	Ile
			420					425					430		
Val	Ala	Lys	Leu	Ile	Ala	Ala	Leu	Ser	Thr	Pro	Ser	Gln	Gln	Val	Gln
		435					440					445			
Glu	Ser	Val	Ala	Ser	Cys	Leu	Pro	Pro	Leu	Val	Pro	Ala	Ile	Lys	Glu
	450					455					460				
Asp	Ala	Gly	Gly	Met	Ile	Gln	Arg	Leu	Met	Gln	Gln	Leu	Leu	Glu	Ser
465					470					475					480
Asp	Lys	Tyr	Ala	Glu	Arg	Lys	Gly	Ala	Ala	Tyr	Gly	Leu	Ala	Gly	Leu
				485				490						495	
Val	Lys	Gly	Leu	Gly	Ile	Leu	Ser	Leu	Lys	Gln	Gln	Glu	Met	Met	Ala
			500					505					510		
Ala	Leu	Thr	Asp	Ala	Ile	Gln	Asp	Lys	Lys	Asn	Phe	Arg	Arg	Arg	Glu
		515					520					525			
Gly	Ala	Leu	Phe	Ala	Phe	Glu	Met	Leu	Cys	Thr	Met	Leu	Gly	Lys	Leu
		530				535					540				

Phe	Glu	Pro	Tyr	Val	Val	His	Val	Leu	Pro	His	Leu	Leu	Leu	Cys	Phe
545					550					555					560
Gly	Asp	Gly	Asn	Gln	Tyr	Val	Arg	Glu	Ala	Ala	Asp	Asp	Cys	Ala	Lys
			565					570						575	
Ala	Val	Met	Ser	Asn	Leu	Ser	Ala	His	Gly	Val	Lys	Leu	Val	Leu	Pro
		580					585						590		
Ser	Leu	Leu	Ala	Ala	Leu	Glu	Glu	Glu	Ser	Trp	Arg	Thr	Lys	Ala	Gly
	595					600						605			
Ser	Val	Glu	Leu	Leu	Gly	Ala	Met	Ala	Tyr	Cys	Ala	Pro	Lys	Gln	Leu
	610				615						620				
Ser	Ser	Cys	Leu	Pro	Asn	Ile	Val	Pro	Lys	Leu	Thr	Glu	Val	Leu	Thr
625				630						635					640
Asp	Ser	His	Val	Lys	Val	Gln	Lys	Ala	Gly	Gln	Gln	Ala	Leu	Arg	Gln
			645						650					655	
Ile	Gly	Ser	Val	Ile	Arg	Asn	Pro	Glu	Ile	Leu	Ala	Ile	Ala	Pro	Val
		660						665					670		
Leu	Leu	Asp	Ala	Leu	Thr	Asp	Pro	Ser	Arg	Lys	Thr	Gln	Lys	Cys	Leu
		675				680						685			
Gln	Thr	Leu	Leu	Asp	Thr	Lys	Phe	Val	His	Phe	Ile	Asp	Ala	Pro	Ser
	690				695						700				
Leu	Ala	Leu	Ile	Met	Pro	Ile	Val	Gln	Arg	Ala	Phe	Gln	Asp	Arg	Ser
705				710						715					720
Thr	Asp	Thr	Arg	Lys	Met	Ala	Ala	Gln	Ile	Ile	Gly	Asn	Met	Tyr	Ser
			725						730					735	
Leu	Thr	Asp	Gln	Lys	Asp	Leu	Ala	Pro	Tyr	Leu	Pro	Ser	Val	Thr	Pro
		740						745					750		
Gly	Leu	Lys	Ala	Ser	Leu	Leu	Asp	Pro	Val	Pro	Glu	Val	Arg	Thr	Val
	755					760						765			
Ser	Ala	Lys	Ala	Leu	Gly	Ala	Met	Val	Lys	Gly	Met	Gly	Glu	Ser	Cys
	770				775						780				
Phe	Glu	Asp	Leu	Leu	Pro	Trp	Leu	Met	Glu	Thr	Leu	Thr	Tyr	Glu	Gln
785				790						795					800
Ser	Ser	Val	Asp	Arg	Ser	Gly	Ala	Ala	Gln	Gly	Leu	Ala	Glu	Val	Met
			805						810					815	
Ala	Gly	Leu	Gly	Val	Glu	Lys	Leu	Glu	Lys	Leu	Met	Pro	Glu	Ile	Val
		820						825					830		
Ala	Thr	Ala	Ser	Lys	Val	Asp	Ile	Ala	Pro	His	Val	Arg	Asp	Gly	Tyr
	835					840						845			
Ile	Met	Met	Phe	Asn	Tyr	Leu	Pro	Ile	Thr	Phe	Gly	Asp	Lys	Phe	Thr
	850					855					860				
Pro	Tyr	Val	Gly	Pro	Ile	Ile	Pro	Cys	Ile	Leu	Lys	Ala	Leu	Ala	Asp
865				870						875					880
Glu	Asn	Glu	Phe	Val	Arg	Asp	Thr	Ala	Leu	Arg	Ala	Gly	Gln	Arg	Val
			885					890						895	
Ile	Ser	Met	Tyr	Ala	Glu	Thr	Ala	Ile	Ala	Leu	Leu	Leu	Pro	Gln	Leu
		900						905					910		
Glu	Gln	Gly	Leu	Phe	Asp	Asp	Leu	Trp	Arg	Ile	Arg	Phe	Ser	Ser	Val
	915					920						925			
Gln	Leu	Leu	Gly	Asp	Leu	Leu	Phe	His	Ile	Ser	Gly	Val	Thr	Gly	Lys
	930				935						940				
Met	Thr	Thr	Glu	Thr	Ala	Ser	Glu	Asp	Asp	Asn	Phe	Gly	Thr	Ala	Gln
945					950					955					960
Ser	Asn	Lys	Ala	Ile	Ile	Thr	Ala	Leu	Gly	Val	Glu	Arg	Arg	Asn	Arg
			965						970					975	
Val	Leu	Ala	Gly	Leu	Tyr	Met	Gly	Arg	Ser	Asp	Thr	Gln	Leu	Val	Val
		980						985					990		
Arg	Gln	Ala	Ser	Leu	His	Val	Trp	Lys	Ile	Val	Val	Ser	Asn	Thr	Pro
	995					1000					1005				
Arg	Thr	Leu	Arg	Glu	Ile	Leu	Pro	Thr	Leu	Phe	Gly	Leu	Leu	Leu	Gly

1010	1015	1020
Phe Leu Ala Ser Thr Cys Ala Asp Lys Arg Thr Ile Ala Ala Arg Thr		
1025	1030	1035
Leu Gly Asp Leu Val Arg Lys Leu Gly Glu Lys Ile Leu Pro Glu Ile		1040
	1045	1050
Ile Pro Ile Leu Glu Glu Gly Leu Arg Ser Gln Lys Ser Asp Glu Arg		1055
	1060	1065
Gln Gly Val Cys Ile Gly Leu Ser Glu Ile Met Lys Ser Thr Ser Arg		1070
	1075	1080
Asp Ala Val Leu Tyr Phe Ser Glu Ser Leu Val Pro Thr Ala Arg Lys		1085
	1090	1095
Ala Leu Cys Asp Pro Leu Glu Glu Val Arg Glu Ala Ala Ala Lys Thr		1100
1105	1110	1115
Phe Glu Gln Leu His Ser Thr Ile Gly His Gln Ala Leu Glu Asp Ile		1120
	1125	1130
Leu Pro Phe Leu Leu Lys Gln Leu Asp Asp Glu Glu Val Ser Glu Phe		1135
	1140	1145
Ala Leu Asp Gly Leu Lys Gln Val Met Ala Ile Lys Ser Arg Val Val		1150
	1155	1160
Leu Pro Tyr Leu Val Pro Lys Leu Thr Thr Pro Pro Val Asn Thr Arg		1165
	1170	1175
Val Leu Ala Phe Leu Ser Ser Val Ala Gly Asp Ala Leu Thr Arg His		1180
1185	1190	1195
Leu Gly Val Ile Leu Pro Ala Val Met Leu Ala Leu Lys Glu Lys Leu		1200
	1205	1210
Gly Thr Pro Asp Glu Gln Leu Glu Met Ala Asn Cys Gln Ala Val Ile		1215
	1220	1225
Leu Ser Val Glu Asp Asp Thr Gly His Arg Ile Ile Ile Glu Asp Leu		1230
	1235	1240
Leu Glu Ala Thr Arg Ser Pro Glu Val Gly Met Arg Gln Ala Ala Ala		1245
	1250	1255
Ile Ile Leu Asn Ile Tyr Cys Ser Arg Ser Lys Ala Asp Tyr Thr Ser		1260
1265	1270	1275
His Leu Arg Ser Leu Val Ser Gly Leu Ile Arg Leu Phe Asn Asp Ser		1280
	1285	1290
Ser Pro Val Val Leu Glu Glu Ser Trp Asp Ala Leu Asn Ala Ile Thr		1295
	1300	1305
Lys Lys Leu Asp Ala Gly Asn Gln Leu Ala Leu Ile Glu Glu Leu His		1310
	1315	1320
Lys Glu Ile Arg Leu Ile Gly Asn Glu Ser Lys Gly Glu His Val Pro		1325
	1330	1335
Gly Phe Cys Leu Pro Lys Lys Gly Val Thr Ser Ile Leu Pro Val Leu		1340
1345	1350	1355
Arg Glu Gly Val Leu Thr Gly Ser Pro Glu Gln Lys Glu Glu Ala Ala		1360
	1365	1370
Lys Ala Leu Gly Leu Val Ile Arg Leu Thr Ser Ala Asp Ala Leu Arg		1375
	1380	1385
Pro Ser Val Val Ser Ile Thr Gly Pro Leu Ile Arg Ile Leu Gly Asp		1390
	1395	1400
Arg Phe Ser Trp Asn Val Lys Ala Ala Leu Leu Glu Thr Leu Ser Leu		1405
	1410	1415
Leu Leu Ala Lys Val Gly Ile Ala Leu Lys Pro Phe Leu Pro Gln Leu		1420
1425	1430	1435
Gln Thr Thr Phe Thr Lys Ala Leu Gln Asp Ser Asn Arg Gly Val Arg		1440
	1445	1450
Leu Lys Ala Ala Asp Ala Leu Gly Lys Leu Ile Ser Ile His Ile Lys		1455
	1460	1465
Val Asp Pro Leu Phe Thr Glu Leu Leu Asn Gly Ile Arg Ala Met Glu		1470
	1475	1480
		1485

Asp Pro Gly Val Arg Asp Thr Met Leu Gln Ala Leu Arg Phe Val Ile
 1490 1495 1500
 Gln Gly Ala Gly Ala Lys Val Asp Ala Val Ile Arg Lys Asn Ile Val
 1505 1510 1515 1520
 Ser Leu Leu Leu Ser Met Leu Gly His Asp Glu Asp Asn Thr Arg Ile
 1525 1530 1535
 Ser Ser Ala Gly Cys Leu Gly Glu Leu Cys Ala Phe Leu Thr Glu Glu
 1540 1545 1550
 Glu Leu Ser Ala Val Leu Gln Gln Cys Leu Leu Ala Asp Val Ser Gly
 1555 1560 1565
 Ile Asp Trp Met Val Arg His Gly Arg Ser Leu Ala Leu Ser Val Ala
 1570 1575 1580
 Val Asn Val Ala Pro Gly Arg Leu Cys Ala Gly Arg Tyr Ser Ser Asp
 1585 1590 1595 1600
 Val Gln Glu Met Ile Leu Ser Ser Ala Thr Ala Asp Arg Ile Pro Ile
 1605 1610 1615
 Ala Val Ser Gly Val Arg Gly Met Gly Phe Leu Met Arg His His Ile
 1620 1625 1630
 Glu Thr Gly Gly Gly Gln Leu Pro Ala Lys Leu Ser Ser Leu Phe Val
 1635 1640 1645
 Lys Cys Leu Gln Asn Pro Ser Ser Asp Ile Arg Leu Val Ala Glu Lys
 1650 1655 1660
 Met Ile Trp Trp Ala Asn Lys Asp Pro Leu Pro Pro Leu Asp Pro Gln
 1665 1670 1675 1680
 Ala Ile Lys Pro Ile Leu Lys Ala Leu Leu Asp Asn Thr Lys Asp Lys
 1685 1690 1695
 Asn Thr Val Val Arg Ala Tyr Ser Asp Gln Ala Ile Val Asn Leu Leu
 1700 1705 1710
 Lys Met Arg Gln Gly Glu Glu Val Phe Gln Ser Leu Ser Lys Ile Leu
 1715 1720 1725
 Asp Val Ala Ser Leu Glu Val Leu Asn Glu Val Asn Arg Arg Ser Leu
 1730 1735 1740
 Lys Lys Leu Ala Ser Gln Ala Asp Ser Thr Glu Gln Val Asp Asp Thr
 1745 1750 1755 1760
 Ile Leu Thr *
 1763

<210> 1033
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 1033
 Met Asn Arg Arg Ala Ser Gln Met Leu Leu Met Phe Leu Leu Ala Ile
 1 5 10 15
 Cys Leu Leu Ala Ile Ile Phe Val Pro Gln Glu Met Gln Met Leu Arg
 20 25 30
 Glu Val Leu Ala Thr Leu Gly Leu Gly Ala Ser Ala Leu Ala Asn Thr
 35 40 45
 Leu Ala Phe Ala His Gly Asn Glu Val Ile Pro Thr Ile Ile Arg Ala
 50 55 60
 Arg Ala Met Gly Ile Asn Ala Thr Phe Ala Asn Ile Ala Gly Ala Leu
 65 70 75 80
 Ala Pro Leu Met Met Ile Leu Ser Val Tyr Ser Pro Pro Leu Pro Trp
 85 90 95
 Ile Ile Tyr Gly Val Phe Pro Phe Ile Ser Gly Phe Ala Phe Leu Leu

			100						105				110				
Leu	Pro	Glu	Thr	Arg	Asn	Lys	Pro	Leu	Phe	Asp	Thr	Ile	Gln	Asp	Glu		
		115						120				125					
Lys	Asn	Glu	Arg	Lys	Asp	Pro	Arg	Glu	Pro	Lys	Gln	Glu	Asp	Pro	Arg		
	130					135					140						
Val	Glu	Val	Thr	Gln	Phe	*											
145					150												

<210> 1034
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 1034

Met	Ala	Leu	Leu	Leu	Pro	Arg	Trp	Phe	Arg	Glu	Ala	Pro	Val	Leu	Phe		
1				5				10						15			
Ser	Thr	Gly	Trp	Ser	Pro	Leu	Asp	Val	Leu	Leu	His	Ser	Leu	Leu	Thr		
		20					25						30				
Gln	Pro	Ile	Phe	Leu	Ala	Gly	Leu	Ser	Gly	Phe	Leu	Leu	Glu	Asn	Thr		
		35				40						45					
Ile	Pro	Gly	Thr	Gln	Leu	Glu	Arg	Gly	Leu	Gly	Gln	Gly	Leu	Pro	Ser		
	50					55					60						
Pro	Phe	Thr	Ala	Gln	Glu	Ala	Arg	Met	Pro	Gln	Lys	Pro	Arg	Glu	Lys		
65				70						75				80			
Ala	Ala	Gln	Val	Tyr	Arg	Leu	Pro	Phe	Pro	Ile	Gln	Asn	Leu	Cys	Pro		
			85					90					95				
Cys	Ile	Pro	Gln	Pro	Leu	His	Cys	Leu	Cys	Pro	Leu	Pro	Glu	Asp	Pro		
			100				105						110				
Gly	Asp	Glu	Glu	Gly	Gly	Ser	Ser	Glu	Pro	Glu	Glu	Met	Ala	Asp	Leu		
	115					120						125					
Leu	Pro	Gly	Ser	Gly	Glu	Pro	Cys	Pro	Glu	Ser	Thr	Arg	Glu	Gly	Val		
	130					135					140						
Arg	Ser	Gln	Lys	*													
145			148														

<210> 1035
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1035

Met	Gly	Ile	Ala	Leu	Leu	Gln	Ile	Phe	Gly	Ile	Cys	Leu	Ala	Gln	Asn		
1				5				10						15			
Leu	Val	Ser	Asp	Ile	Lys	Ala	Val	Lys	Ala	Asn	Trp	Ser	Lys	Trp	Asn		
		20						25					30				
Asp	Asp	Phe	Glu	Asn	His	Trp	Leu	Thr	Pro	Thr	Ile	Ser	Glu	Val	Leu		
		35				40						45					
Ser	Thr	Ala	Gly	Pro	Gln	Gln	Asn	Ser	Leu	Thr	Gly	Ala	Pro	Gly	Pro		
	50					55					60						
Ala	Pro	Pro	Ser	Arg	His	Val	Phe	Phe	Gly	Leu	Gly	Gly	Leu	Tyr	Pro		
65				70					75					80			
Glu	Pro	Thr	Phe	Lys	Asn	Trp	*										
			85		87												

<210> 1036
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1036
 Met Val Val Leu Ile Pro Val Ser Trp Val Ala Asn Ala Ile Ile Arg
 1 5 10 15
 Asp Phe Tyr Asn Ser Ile Val Asn Val Ala Gln Lys Arg Glu Leu Gly
 20 25 30
 Glu Ala Leu Tyr Leu Gly Trp Thr Thr Ala Leu Val Leu Ile Val Gly
 35 40 45
 Gly Ala Leu Phe Cys Cys Val Phe Cys Cys Asn Glu Lys Ser Ser Ser
 50 55 60
 Tyr Arg Tyr Ser Ile Pro Ser His Arg Thr Thr Gln Lys Ser Tyr His
 65 70 75 80
 Thr Gly Lys Lys Ser Pro Ser Val Tyr Ser Arg Ser Gln Tyr Val *
 85 90 95

<210> 1037
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1037
 Met Ala Leu Ser Trp Met Thr Ile Val Val Pro Leu Leu Thr Phe Glu
 1 5 10 15
 Ile Leu Leu Val His Lys Leu Asp Gly His Asn Ala Phe Ser Cys Ile
 20 25 30
 Pro Ile Phe Val Pro Leu Trp Leu Ser Leu Ile Thr Leu Met Ala Thr
 35 40 45
 Thr Phe Gly Gln Lys Gly Gly Asn His Trp Trp Phe Gly Ile Arg Lys
 50 55 60
 Asp Phe Cys Gln Phe Leu Leu Glu Ile Phe Pro Phe Leu Arg Glu Tyr
 65 70 75 80
 Gly Asn Ile Ser Tyr Asp Leu His His Glu Asp Asn Glu Glu Thr Glu
 85 90 95
 Glu Thr Pro Val Pro Glu Pro Pro Lys Ile Ala Pro Met Phe Arg Lys
 100 105 110
 Lys Ala Arg Val Val Ile Thr Gln Ser Pro Gly Lys Tyr Val Leu Pro
 115 120 125
 Pro Pro Lys Leu Asn Ile Glu Met Pro Asp *
 130 135 138

<210> 1038
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1038

Met	Val	Leu	Ser	Gly	Ile	His	Trp	Tyr	Ser	Val	Leu	Leu	Leu	Ala	Val
1				5				10						15	
Glu	Phe	Cys	Arg	Tyr	Cys	Pro	Leu	Arg	Tyr	Arg	Cys	Ser	Thr	Phe	Ser
			20					25					30		
Ser	Trp	Ala	Arg	Val	Ser	Ser	Thr	Pro	Gln	Ala	Ser	Ser	Pro	Val	Ala
		35					40				45				
Leu	Thr	Met	Leu	Ser	Ser	Arg	Gly	Arg	Ser	Glu	Gly	Gly	Ala	Leu	*
	50					55				60				63	

<210> 1039

<211> 286

<212> PRT

<213> Homo sapiens

<400> 1039

Met	Met	Leu	Gly	Pro	Val	Thr	Leu	His	Leu	Val	Gly	His	Leu	Leu	Ala
1				5				10						15	
Phe	Leu	Asp	Leu	Leu	Cys	Pro	Arg	Gly	Pro	Ile	His	Ser	Ile	Leu	Pro
			20					25					30		
Met	Thr	Phe	Glu	Ala	Val	Lys	Gln	Asp	His	Gly	Phe	Met	Leu	Tyr	Arg
		35					40					45			
Thr	Tyr	Met	Thr	His	Thr	Ile	Phe	Glu	Pro	Thr	Pro	Phe	Trp	Val	Pro
	50					55					60				
Asn	Asn	Gly	Val	His	Asp	Arg	Ala	Tyr	Val	Met	Val	Asp	Gly	Val	Phe
65					70					75				80	
Gln	Gly	Val	Val	Glu	Arg	Asn	Met	Arg	Asp	Lys	Leu	Phe	Leu	Thr	Gly
			85					90						95	
Lys	Leu	Gly	Ser	Lys	Leu	Asp	Ile	Leu	Val	Glu	Asn	Met	Gly	Arg	Leu
			100					105					110		
Ser	Phe	Gly	Ser	Asn	Ser	Ser	Asp	Phe	Lys	Gly	Leu	Leu	Lys	Pro	Pro
		115					120						125		
Ile	Leu	Gly	Gln	Thr	Ile	Leu	Thr	Gln	Trp	Met	Met	Phe	Pro	Leu	Lys
	130					135					140				
Ile	Asp	Asn	Leu	Val	Lys	Trp	Trp	Phe	Pro	Leu	Gln	Leu	Pro	Lys	Trp
145					150					155				160	
Pro	Tyr	Pro	Gln	Ala	Pro	Ser	Gly	Pro	Thr	Phe	Tyr	Ser	Lys	Thr	Phe
			165					170						175	
Pro	Ile	Leu	Gly	Ser	Val	Gly	Asp	Thr	Phe	Leu	Tyr	Leu	Pro	Gly	Trp
		180						185					190		
Thr	Lys	Gly	Gln	Val	Trp	Ile	Asn	Gly	Phe	Asn	Leu	Gly	Arg	Tyr	Trp
	195						200					205			
Thr	Lys	Gln	Gly	Pro	Gln	Gln	Thr	Leu	Tyr	Val	Pro	Arg	Phe	Leu	Leu
	210					215					220				
Phe	Pro	Arg	Gly	Ala	Leu	Asn	Lys	Ile	Thr	Leu	Leu	Glu	Leu	Glu	Asp
225					230					235				240	
Val	Pro	Leu	Gln	Pro	Gln	Val	Gln	Phe	Leu	Asp	Lys	Pro	Ile	Leu	Asn
			245					250						255	
Ser	Thr	Ser	Thr	Leu	His	Arg	Thr	His	Ile	Asn	Ser	Leu	Ser	Ala	Asp
		260						265					270		
Thr	Leu	Ser	Ala	Ser	Glu	Pro	Met	Glu	Leu	Ser	Gly	His	*		
	275					280						285			

<210> 1040

<211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1040
 Met His Ala His Ser Ala Ser Leu Trp Val Ala Phe Phe Tyr Arg Ser
 1 5 10 15
 Pro Phe Leu Phe Phe Thr Thr Gly Pro Pro Pro Pro Thr Ser Ser Ser
 20 25 30
 Pro Ala Gly Leu Pro Leu Leu Glu Ser Thr Val Asp Ala Ser Arg Pro
 35 40 45
 Asn Trp Leu Pro Leu Leu Leu Ser Pro Pro Leu Pro Phe Leu Ser Ile
 50 55 60
 Glu Cys Thr Leu Tyr Asn Phe Ser Gly Ile Val Ile Glu Asn Lys Ile
 65 70 75 80
 Phe Thr Ile Ile Thr Gly Phe Phe Gln Val Thr Ser Cys Arg Leu *
 85 90 95

<210> 1041
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1041
 Met Ser Asp Ile Ser Pro Leu Leu Tyr Glu Ile Trp Leu Gly Asp Thr
 1 5 10 15
 Ser Ala Gly Phe Phe Thr Phe Cys Val Thr Val Leu His Val Leu Leu
 20 25 30
 Leu Leu Ser Ser Val Leu His Phe Leu Cys Pro Arg Asp Thr Ser Val
 35 40 45
 Ile Ser Pro Phe Ile Pro Pro Leu Thr Pro Pro Gln Ser Arg Leu *
 50 55 60 63

<210> 1042
 <211> 415
 <212> PRT
 <213> Homo sapiens

<400> 1042
 Met Asn Glu Thr Gly Val Ile Val Trp Tyr Leu Ala Leu Cys Leu Leu
 1 5 10 15
 Leu Ala Trp Leu Ile Val Gly Ala Ala Leu Phe Lys Gly Ile Lys Ser
 20 25 30
 Ser Gly Lys Val Val Tyr Phe Thr Ala Leu Phe Pro Tyr Val Val Leu
 35 40 45
 Leu Ile Leu Leu Val Arg Gly Ala Thr Leu Glu Gly Ala Ser Lys Gly
 50 55 60
 Ile Ser Tyr Tyr Ile Gly Ala Gln Ser Asn Phe Thr Lys Leu Lys Glu
 65 70 75 80
 Ala Glu Val Trp Lys Asp Ala Ala Thr Gln Ile Phe Tyr Ser Leu Ser
 85 90 95
 Val Ala Trp Gly Gly Leu Val Ala Leu Ser Ser Tyr Asn Lys Phe Lys

			100					105				110				
Asn	Asn	Cys	Phe	Ser	Asp	Ala	Ile	Val	Val	Cys	Leu	Thr	Asn	Cys	Leu	
		115					120					125				
Thr	Ser	Val	Phe	Ala	Gly	Phe	Ala	Ile	Phe	Ser	Ile	Leu	Gly	His	Met	
	130					135					140					
Ala	His	Ile	Ser	Gly	Lys	Glu	Val	Ser	Gln	Val	Val	Lys	Ser	Gly	Phe	
145					150					155					160	
Asp	Leu	Ala	Phe	Ile	Ala	Tyr	Pro	Glu	Ala	Leu	Ala	Gln	Leu	Pro	Gly	
			165						170					175		
Gly	Pro	Phe	Trp	Ser	Ile	Leu	Phe	Phe	Phe	Met	Leu	Leu	Thr	Leu	Gly	
			180					185					190			
Leu	Asp	Ser	Gln	Phe	Ala	Ser	Ile	Glu	Thr	Ile	Thr	Thr	Thr	Ile	Gln	
		195					200				205					
Asp	Leu	Phe	Pro	Lys	Val	Met	Lys	Lys	Met	Arg	Val	Pro	Ile	Thr	Leu	
	210					215					220					
Gly	Cys	Cys	Leu	Val	Leu	Phe	Leu	Leu	Gly	Leu	Val	Cys	Val	Thr	Gln	
225					230					235					240	
Ala	Gly	Ile	Tyr	Trp	Val	His	Leu	Ile	Asp	His	Phe	Cys	Ala	Gly	Trp	
			245						250					255		
Gly	Ile	Leu	Ile	Ala	Ala	Ile	Leu	Glu	Leu	Val	Gly	Ile	Ile	Trp	Ile	
			260					265					270			
Tyr	Gly	Gly	Asn	Arg	Phe	Ile	Glu	Asp	Thr	Glu	Met	Met	Ile	Gly	Ala	
		275				280						285				
Lys	Arg	Trp	Ile	Phe	Trp	Leu	Trp	Trp	Arg	Ala	Cys	Trp	Phe	Val	Ile	
	290					295					300					
Thr	Pro	Ile	Leu	Leu	Ile	Ala	Ile	Phe	Ile	Trp	Ser	Leu	Val	Gln	Phe	
305					310					315					320	
His	Arg	Pro	Asn	Tyr	Gly	Ala	Ile	Pro	Tyr	Pro	Asp	Trp	Gly	Val	Ala	
			325						330					335		
Leu	Gly	Trp	Cys	Met	Ile	Val	Phe	Cys	Ile	Ile	Trp	Ile	Pro	Ile	Met	
			340					345					350			
Ala	Ile	Ile	Lys	Ile	Ile	Gln	Ala	Lys	Gly	Asn	Ile	Phe	Gln	Arg	Leu	
		355				360						365				
Ile	Ser	Cys	Cys	Arg	Pro	Ala	Ser	Asn	Trp	Gly	Pro	Tyr	Leu	Glu	Gln	
	370					375					380					
His	Arg	Gly	Glu	Arg	Tyr	Lys	Asp	Met	Val	Asp	Pro	Lys	Lys	Glu	Ala	
385					390					395					400	
Asp	His	Glu	Ile	Pro	Thr	Val	Ser	Gly	Ser	Arg	Lys	Pro	Glu	*		
			405					410					414			

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<210> 1043
<211> 48
<212> PRT
<213> Homo sapiens
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      <400> 1043
Met  Pro  Thr  Leu  Gly  Asp  Ala  Leu  Ile  Leu  Tyr  Leu  His  Leu  Val  Leu
  1          5          10          15
Gly  Val  Ala  Gly  Val  Leu  Gln  Pro  Pro  Gly  Pro  Arg  Pro  Ser  Gln  Ala
          20          25          30
Leu  Gly  Pro  Thr  Gly  Asp  Arg  Ala  Pro  Gly  Lys  Trp  Asn  Arg  Ser  *
          35          40          45          47

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<210> 1044

<211> 146
 <212> PRT
 <213> Homo sapiens

<400> 1044
 Met Leu Phe Ser Ser Met Thr Leu Arg Leu Ser Arg Cys Ser Cys Ser
 1 5 10 15
 Ile Leu Leu Phe Trp Ala Ser Ala Ala Cys Met Phe Pro Ser Ser Arg
 20 25 30
 Tyr Leu Trp Ser Gly Arg Ser Leu Val Ser Val Glu Gly Ser Asp Arg
 35 40 45
 Phe Ser Ser Ala Val Ser Ser Phe Ser Ser Lys Ala Asn Trp Val Lys
 50 55 60
 Pro Lys Phe Arg Ser Trp Ser Gly Gly Ile Glu Leu Gly Phe Gln Met
 65 70 75 80
 His Trp Pro Pro Gly Val Gly Pro Arg Tyr Ser Pro Ser Cys His Phe
 85 90 95
 Pro Lys Ser Arg Trp Arg Thr Arg Pro Leu Arg Leu Ser Thr Ala Pro
 100 105 110
 Cys Thr Ser Trp Thr Leu Glu Leu Gln Tyr Leu Ala Leu Gln Lys Val
 115 120 125
 Ile Leu Gln Trp Gln Glu Leu Ser Cys Val Phe Arg Met Ser Thr Ser
 130 135 140
 Pro *
 145

<210> 1045
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1045
 Met Ala Leu Phe Cys Leu Val Tyr Gln Ile Ile Phe Leu Ile Gln His
 1 5 10 15
 Thr His Phe Ser Leu Ala Lys Leu Leu Ile Met Ala Leu Asn Thr Leu
 20 25 30
 Thr Tyr Cys Val Leu Val Gln Ser Asn Asn Thr Gln Ser Thr Leu Arg
 35 40 45
 Lys Ser Ala Ser *
 50 52

<210> 1046
 <211> 407
 <212> PRT
 <213> Homo sapiens

<400> 1046
 Met Gly Pro Ser Thr Pro Leu Leu Ile Leu Phe Leu Leu Ser Trp Ser
 1 5 10 15
 Gly Pro Leu Gln Gly Gln Gln His His Leu Val Glu Tyr Met Glu Arg
 20 25 30
 Arg Leu Ala Ala Leu Glu Glu Arg Leu Ala Gln Cys Gln Asp Gln Ser


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<210> 1047
<211> 268
<212> PRT
<213> Homo sapiens
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613

Tyr Leu Leu Phe Met Ile Gly Tyr Ala Ser Ala Leu Val Ser Leu Leu
 20 25 30
 Asn Pro Cys Ala Asn Met Lys Val Cys Asn Glu Asp Gln Thr Asn Cys
 35 40 45
 Thr Val Pro Thr Tyr Pro Ser Cys Arg Asp Ser Glu Thr Phe Ser Thr
 50 55 60
 Phe Leu Leu Asp Leu Phe Lys Leu Thr Ile Gly Met Gly Asp Leu Glu
 65 70 75 80
 Met Leu Ser Ser Thr Lys Tyr Pro Val Val Phe Ile Ile Leu Leu Val
 85 90 95
 Thr Tyr Ile Ile Leu Thr Phe Val Leu Leu Leu Asn Met Leu Ile Ala
 100 105 110
 Leu Met Gly Glu Thr Val Gly Gln Val Ser Lys Glu Ser Lys His Ile
 115 120 125
 Trp Lys Leu Gln Trp Ala Thr Thr Ile Leu Asp Ile Glu Arg Ser Phe
 130 135 140
 Pro Val Phe Leu Arg Lys Ala Phe Arg Ser Gly Glu Met Val Thr Val
 145 150 155 160
 Gly Lys Ser Ser Asp Gly Thr Pro Asp Arg Arg Trp Cys Phe Arg Val
 165 170 175
 Asp Glu Val Asn Trp Ser His Trp Asn Gln Asn Leu Gly Ile Ile Asn
 180 185 190
 Glu Asp Pro Gly Lys Asn Glu Thr Tyr Gln Tyr Tyr Gly Phe Ser His
 195 200 205
 Thr Val Gly Arg Leu Arg Arg Asp Arg Trp Ser Ser Val Val Pro Arg
 210 215 220
 Val Val Glu Leu Asn Lys Asn Ser Asn Pro Asp Glu Val Val Val Pro
 225 230 235 240
 Leu Asp Ser Met Gly Asn Pro Arg Cys Asp Gly His Gln Gln Gly Tyr
 245 250 255
 Pro Arg Lys Trp Arg Thr Asp Asp Ala Pro Leu *
 260 265 267

<210> 1048
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1048
 Met Trp Ser His Phe Trp Lys Val Ser Thr Gln Gly Leu Phe Val Ala
 1 5 10 15
 Met Phe Trp Pro Leu Ile Pro Gln Phe Val Cys Asn Cys Leu Phe Tyr
 20 25 30
 Trp Ala Leu Tyr Phe Asn Pro Ile Ile Asn Ile Asp Leu Val Val Lys
 35 40 45
 Glu Leu Arg Arg Leu Glu Thr Gln Val Leu *
 50 55 58

<210> 1049
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1049

Met	Arg	Cys	Arg	Cys	Cys	Leu	Cys	Ser	Ser	Cys	Phe	Trp	Gly	Leu	Trp
1				5					10					15	
Asp	Pro	Cys	Pro	Lys	Ser	Val	Trp	Ser	Pro	Trp	Ser	Ser	Ser	Ser	Leu
			20					25					30		
Gly	Ala	Phe	Ser	Val	Gly	Ser	Glu	Leu	Ala	Ser	Ala	Ala	Ser	Ser	Leu
		35					40					45			
Ser	Pro	Pro	Ser	Cys	Ser	Pro	Arg	Thr	Ala	Pro	Arg	Ser	Thr	Ala	Lys
	50					55					60				
Leu	Cys	Leu	Arg	Trp	Ser	Arg	Pro	Gly	Asn	Cys	Gly	*			
65					70					75	76				

<210> 1050

<211> 474

<212> PRT

<213> Homo sapiens

<400> 1050

Met	Arg	Ala	Leu	Val	Leu	Leu	Gly	Cys	Leu	Leu	Ala	Ser	Leu	Leu	Phe
1				5					10					15	
Ser	Gly	Gln	Ala	Glu	Glu	Thr	Glu	Asp	Ala	Asn	Glu	Glu	Ala	Pro	Leu
			20					25					30		
Arg	Asp	Arg	Ser	His	Ile	Glu	Lys	Thr	Leu	Met	Leu	Asn	Glu	Asp	Lys
		35					40					45			
Pro	Ser	Asp	Asp	Tyr	Ser	Ala	Val	Leu	Gln	Arg	Leu	Arg	Lys	Ile	Tyr
	50					55					60				
His	Ser	Ser	Ile	Lys	Pro	Leu	Glu	Gln	Ser	Tyr	Lys	Tyr	Asn	Glu	Leu
65					70					75				80	
Arg	Gln	His	Glu	Ile	Thr	Asp	Gly	Glu	Ile	Thr	Ser	Lys	Pro	Met	Val
			85					90						95	
Leu	Phe	Leu	Gly	Pro	Trp	Ser	Val	Gly	Lys	Ser	Thr	Met	Ile	Asn	Tyr
			100					105					110		
Leu	Leu	Gly	Leu	Glu	Asn	Thr	Arg	Tyr	Gln	Leu	Tyr	Thr	Gly	Ala	Glu
		115					120					125			
Pro	Thr	Thr	Ser	Glu	Phe	Thr	Val	Leu	Met	His	Gly	Pro	Lys	Leu	Lys
	130					135					140				
Thr	Ile	Glu	Gly	Ile	Val	Met	Ala	Ala	Asp	Ser	Ala	Arg	Ser	Phe	Ser
145					150				155					160	
Pro	Leu	Glu	Lys	Phe	Gly	Gln	Asn	Phe	Leu	Glu	Lys	Leu	Ile	Gly	Ile
			165					170						175	
Glu	Val	Pro	His	Lys	Leu	Leu	Glu	Arg	Val	Thr	Phe	Val	Asp	Thr	Pro
			180					185					190		
Gly	Ile	Ile	Glu	Asn	Arg	Lys	Gln	Gln	Glu	Arg	Gly	Tyr	Pro	Phe	Asn
	195					200					205				
Asp	Val	Cys	Gln	Trp	Phe	Ile	Asp	Arg	Ala	Asp	Leu	Ile	Phe	Val	Val
	210				215						220				
Phe	Asp	Pro	Thr	Lys	Leu	Asp	Val	Gly	Leu	Glu	Leu	Glu	Met	Leu	Phe
225					230				235					240	
Arg	Gln	Leu	Lys	Gly	Arg	Glu	Ser	Gln	Ile	Arg	Ile	Ile	Leu	Asn	Lys
			245					250						255	
Ala	Asp	Asn	Leu	Ala	Thr	Gln	Met	Leu	Met	Arg	Val	Tyr	Gly	Ala	Leu
			260					265					270		
Phe	Trp	Ser	Leu	Ala	Pro	Leu	Ile	Asn	Val	Thr	Glu	Pro	Pro	Arg	Val
	275						280					285			
Tyr	Val	Ser	Ser	Phe	Trp	Pro	Gln	Glu	Tyr	Lys	Pro	Asp	Thr	His	Gln
290						295						300			

Glu Leu Phe Leu Gln Glu Glu Ile Ser Leu Leu Glu Asp Leu Asn Gln
 305 310 315 320
 Val Ile Glu Asn Arg Leu Glu Asn Lys Ile Ala Phe Ile Arg Gln His
 325 330 335
 Ala Ile Arg Val Arg Ile His Ala Leu Val Asp Arg Tyr Leu Gln
 340 345 350
 Thr Tyr Lys Asp Lys Met Thr Phe Phe Ser Asp Gly Glu Leu Val Phe
 355 360 365
 Lys Asp Ile Val Glu Asp Pro Asp Lys Phe Tyr Ile Phe Lys Thr Ile
 370 375 380
 Leu Ala Lys Thr Asn Val Ser Lys Phe Asp Leu Pro Asn Arg Glu Ala
 385 390 395 400
 Tyr Lys Asp Phe Phe Gly Ile Asn Pro Ile Ser Ser Phe Lys Leu Leu
 405 410 415
 Ser Gln Gln Cys Ser Tyr Met Gly Gly Cys Phe Leu Glu Lys Ile Glu
 420 425 430
 Arg Ala Ile Thr Gln Glu Leu Pro Gly Leu Leu Gly Ser Leu Gly Leu
 435 440 445
 Gly Lys Asn Pro Gly Ala Leu Asn Cys Asp Lys Thr Gly Cys Ser Glu
 450 455 460
 Thr Pro Lys Asn Arg Tyr Arg Lys His *
 465 470 473

<210> 1051
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1051
 Met Gln Arg Pro Ser Ala Trp Trp Ile Leu Phe Cys Ser Leu Asn Leu
 1 5 10 15
 Leu Ala Arg Phe Ile Gln Cys Leu Gln Ile Val Asn Lys Glu Val His
 20 25 30
 Phe Phe Arg Tyr Ile Lys Tyr Tyr Lys Phe Trp Glu Gly Arg *
 35 40 45 46

<210> 1052
 <211> 233
 <212> PRT
 <213> Homo sapiens

<400> 1052
 Met Ala Trp Thr Pro Leu Trp Leu Thr Leu Thr Leu Cys Ile Gly
 1 5 10 15
 Ser Val Val Ser Ser Glu Leu Thr Gln Asp Pro Thr Val Ser Val Ala
 20 25 30
 Leu Gly Gln Thr Leu Arg Ile Lys Cys Gln Gly Asp Thr Ile Arg Ser
 35 40 45
 Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Ile Leu
 50 55 60
 Val Ile Tyr Gly Gln Asn Asn Arg Pro Ser Gly Ile Pro Gly Arg Phe
 65 70 75 80
 Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu

				85					90				95				
Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Cys	Ser	Tyr	Ala	Gly	Arg		
			100					105					110				
Thr	Thr	Trp	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Gly	Gln		
		115					120					125					
Pro	Lys	Ala	Ala	Pro	Ser	Val	Thr	Leu	Phe	Pro	Pro	Ser	Ser	Glu	Glu		
	130					135					140						
Leu	Gln	Ala	Asn	Lys	Ala	Thr	Leu	Val	Cys	Leu	Ile	Ser	Asp	Phe	Tyr		
145					150					155					160		
Pro	Gly	Ala	Val	Thr	Val	Ala	Trp	Lys	Ala	Asp	Ser	Ser	Pro	Val	Lys		
			165						170					175			
Ala	Gly	Val	Glu	Thr	Thr	Thr	Pro	Ser	Lys	Gln	Ser	Asn	Asn	Lys	Tyr		
		180					185						190				
Ala	Ala	Ser	Ser	Tyr	Leu	Ser	Leu	Thr	Pro	Glu	Gln	Trp	Lys	Ser	His		
	195					200						205					
Arg	Ser	Tyr	Ser	Cys	Gln	Val	Thr	His	Glu	Gly	Ser	Thr	Val	Glu	Lys		
	210				215						220						
Thr	Val	Ala	Pro	Thr	Glu	Cys	Ser	*									
225					230		232										

<210> 1053
 <211> 147
 <212> PRT
 <213> Homo sapiens

Met	Gly	Ala	Asp	Arg	Gly	Pro	His	Val	Val	Leu	Trp	Thr	Leu	Ile	Cys		
1				5					10					15			
Leu	Pro	Val	Val	Phe	Ile	Leu	Ser	Phe	Val	Val	Ser	Phe	Tyr	Tyr	Gly		
		20						25					30				
Thr	Ile	Thr	Trp	Tyr	Asn	Ile	Phe	Leu	Val	Tyr	Asn	Glu	Glu	Arg	Thr		
	35					40					45						
Phe	Trp	His	Lys	Ile	Ser	Tyr	Cys	Pro	Cys	Leu	Val	Leu	Phe	Tyr	Pro		
	50				55					60							
Val	Leu	Ile	Met	Ala	Met	Ala	Ser	Ser	Leu	Gly	Leu	Tyr	Ala	Ala	Val		
65					70					75					80		
Val	Gln	Leu	Ser	Trp	Ser	Trp	Glu	Ala	Trp	Trp	Gln	Ala	Ala	Arg	Asp		
			85						90					95			
Met	Glu	Lys	Gly	Phe	Cys	Gly	Trp	Leu	Cys	Ser	Lys	Leu	Gly	Leu	Glu		
		100					105					110					
Asp	Cys	Ser	Pro	Tyr	Ser	Ile	Val	Glu	Leu	Leu	Glu	Ser	Asp	Asn	Ile		
	115					120					125						
Ser	Ser	Thr	Leu	Ser	Asn	Lys	Asp	Pro	Ile	Gln	Glu	Val	Glu	Thr	Ser		
	130					135					140						
Thr	Val	*															
145	146																

<210> 1054
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1054


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Met Tyr Val Thr Leu Val Phe Arg Val Lys Gly Ser Arg Leu Val Lys
 1          5          10          15
Pro Ser Leu Cys Leu Ala Leu Leu Cys Pro Ala Phe Leu Val Gly Val
          20          25          30
Val Arg Val Ala Glu Tyr Arg Asn His Trp Ser Asp Val Leu Ala Gly
          35          40          45
Phe Leu Thr Gly Ala Ala Ile Ala Thr Phe Leu Val Thr Cys Val Val
          50          55          60
His Asn Phe Gln Ser Arg Pro Pro Ser Gly Arg Arg Leu Ser Pro Trp
          65          70          75          80
Glu Asp Leu Gly Gln Ala Pro Thr Met Asp Ser Pro Leu Glu Lys Asn
          85          90          95
Pro Arg Ser Ala Gly Arg Ile Arg His Arg His Gly Ser Pro His Pro
          100          105          110
Ser Arg Arg Thr Ala Pro Ala Val Ala Thr *
          115          120          122

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<210> 1055
<211> 122
<212> PRT
<213> Homo sapiens

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<400> 1055
Met Leu Thr Cys Leu Phe Ser Phe Gln Gly Cys Trp Arg Ala Arg Gly
 1          5          10          15
Trp Gln Arg Leu Cys Glu Gly Arg Arg Gly Trp Pro Gly Val Gly Gln
          20          25          30
Arg Thr Leu Lys Val Ser Glu Pro Ala Pro Leu Arg Val Gly Arg Ala
          35          40          45
Leu Pro Gln Ala Leu Leu Gly Ala Arg Pro His Cys Val Phe Pro Gly
          50          55          60
Gly Glu Val Leu Gly Val Glu Ala Ala Phe Gly Ser Ser Phe Ile Leu
          65          70          75          80
Ser Thr Phe Phe Leu His Gln Pro Leu Phe Phe Pro Gly Pro Lys Leu
          85          90          95
Arg Ala Thr Gln Tyr Leu Ile Ser Ser Asp Pro Thr His Leu Pro Ala
          100          105          110
Gly Arg Gly Pro Asn Ser Val Ser Met *
          115          120 121

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<210> 1056
<211> 51
<212> PRT
<213> Homo sapiens

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<400> 1056
Met Pro Thr Lys Leu Ser Ala Val Gly Ile Leu Val Gly Thr Leu Val
 1          5          10          15
Ala Ile Gly Ile Phe Leu Ile Leu Ile Phe Thr His Trp Thr Met Ser
          20          25          30
Arg Lys Lys Asp Pro Asp Gln Pro Ala Asp Ser Val Pro Leu Lys Ala
          35          40          45
Thr Val *

```

50

<210> 1057
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 1057
 Met Glu Ala Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
 1 5 10 15
 Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser
 20 25 30
 Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
 35 40 45
 Val Gly Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
 50 55 60
 Arg Pro Leu Ile Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala
 65 70 75 80
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 85 90 95
 Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln His Arg Asp
 100 105 110
 Asn Trp Pro Pro Gly Ala Thr Phe Gly Gly Gly Thr Lys Val Glu Ile
 115 120 125
 Lys His Thr Thr Gly Glu Ile Val Leu Thr Gln Ala Pro Gly Thr Leu
 130 135 140
 Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln
 145 150 155 160
 Thr Ile Gly Ser Thr Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
 165 170 175
 Ala Pro Lys Leu Leu Ile Tyr Trp Phe Ile Gln Phe Ala Lys Arg Gly
 180 185 190
 Pro Ile Lys Val Gln Cys His Arg Val Arg Gly Gln Thr Ser Leu Ser
 195 200 205
 Pro Ser Ala Asp Trp Ser Leu Lys Ile Leu Gln Cys Ile Ser Val Thr
 210 215 220
 Asn Met Gly Ala His Pro Thr Leu Leu Ala Glu Gly Pro Arg Trp Arg
 225 230 235 240
 Ser Asn Glu Leu Trp Leu His His Leu Ser Ser Ser Ser Arg His Leu
 245 250 255
 Met Ser Ser *
 259

<210> 1058
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1058
 Met Lys Gly Leu Phe Cys Leu Trp Pro Leu Val Arg Ser Val Ser Ser
 1 5 10 15
 Leu Met Thr Ser Ser Thr Ser Cys Pro Ser Pro Pro Thr Leu Pro Pro
 20 25 30

Trp Arg Pro Cys Leu Pro Arg Leu Arg Met Arg Val Leu Val Leu Leu
 35 40 45
 Ile Trp Ser *
 50 51

<210> 1059
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 1059
 Met Gly Arg Gly Ser Glu Leu Pro Val Cys Leu Ala Phe Leu Val Cys
 1 5 10 15
 Leu Met Ala Ala Leu Gly Cys Cys Glu Val Leu Ser Thr Val His Pro
 20 25 30
 Glu Glu Thr Val Leu Arg Ala Pro Pro Thr Asn Phe Gln Arg Cys Gln
 35 40 45
 Leu Gln Gln Gly Ser Ala Leu Val Arg Glu Thr Ala Trp Gly Val Gly
 50 55 60
 Arg Gly Arg Pro Ser Glu Arg Trp His Gly Glu Leu Ala Gly Gly Gly
 65 70 75 80
 Ser Arg Arg Asp Gly Met Glu Gly Leu Gly Pro Val Leu Leu Gly Ala
 85 90 95 96
 *

<210> 1060
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1060
 Met Asn Lys His Phe Leu Phe Leu Phe Leu Leu Tyr Cys Leu Ile Ala
 1 5 10 15
 Ala Val Thr Ser Leu Gln Cys Ile Thr Cys His Leu Arg Thr Arg Thr
 20 25 30
 Asp Arg Cys Arg Arg Gly Phe Gly Val Cys Thr Ala Gln Lys Gly Glu
 35 40 45
 Ala Cys Met Leu Leu Arg Ile Tyr Gln Arg Asn Thr Leu Gln Ile Ser
 50 55 60
 Tyr Met Val Cys Gln Lys Phe Cys Arg Asp Met Thr Phe Asp Leu Arg
 65 70 75 80
 Asn Arg Thr Tyr Val His Thr Cys Cys Asn Tyr Asn Tyr Cys Asn Phe
 85 90 95
 Lys Leu *
 98

<210> 1061
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1061

```

Met Asn Val Val Ser Leu Val Ile Leu Phe Trp Ala Ile Tyr Cys Val
 1          5          10          15
Thr Ile Cys Met Asp Leu Tyr Leu Lys His Phe Cys Lys Lys Phe Phe
          20          25          30
Lys Val Phe Phe Lys Cys Val Ile Ile Cys Ala Phe Lys Ser Ile Leu
          35          40          45
His Phe Ser Leu Ile Cys Thr Phe Lys Lys Ile Phe Phe Phe Phe *
          50          55          60          63

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<210> 1062

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1062

```

Met Tyr Leu Ser Asn Thr Thr Val Thr Ile Leu Ala Asn Leu Val Pro
 1          5          10          15
Phe Thr Leu Thr Leu Ile Ser Phe Leu Leu Leu Ile Cys Ser Leu Cys
          20          25          30
Lys His Leu Lys Lys Met Gln Leu His Gly Lys Gly Ser Gln Asp Pro
          35          40          45
Ser Met Lys Val His Ile Lys Ala Leu Gln Thr Val Thr Ser Phe Leu
          50          55          60
Leu Leu Cys Ala Ile Tyr Phe Leu Ser Met Ile Ile Ser Val Cys Asn
          65          70          75          80
Phe Gly Arg Leu Glu Lys Gln Pro Val Phe Met Phe Cys Gln Ala Ile
          85          90          95
Ile Phe Ser Tyr Pro Ser Thr His Pro Phe Ile Leu Ile Leu Gly Asn
          100          105          110
Lys Lys Leu Lys Gln Ile Phe Leu Ser Val Leu Arg His Val Arg Tyr
          115          120          125
Trp Val Lys Asp Arg Ser Leu Arg Leu His Arg Phe Thr Arg Gly Ala
          130          135          140
Leu Cys Val Phe *
          145          148

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<210> 1063

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1063

```

Met His Gln Leu Phe Gly Leu Phe Val Thr Leu Met Phe Ala Ser Val
 1          5          10          15
Gly Gly Gly Leu Gly Gly Ile Ile Leu Val Leu Cys Leu Leu Asp Pro
          20          25          30
Cys Ala Leu Trp His Trp Val Ala Pro Ser Ser Met Val Gly Gly Arg
          35          40          45
Glu Ala Ser Gln Ile Leu Pro Tyr His His Gln Gly Ser Cys *
          50          55          60          62

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<210> 1064
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1064
 Met Met Leu Met Ser Leu Gly Gly Leu Leu Gly Pro Pro Leu Ser Gly
 1 5 10 15
 Phe Leu Arg Asp Glu Thr Gly Asp Phe Thr Ala Ser Phe Leu Leu Ser
 20 25 30
 Gly Ser Leu Ile Leu Ser Gly Ser Phe Ile Tyr Ile Gly Leu Pro Arg
 35 40 45
 Ala Leu Pro Ser Cys Gly Pro Ala Ser Pro Pro Ala Thr Pro Pro Pro
 50 55 60
 Glu Thr Gly Glu Leu Leu Pro Ala Pro Gln Ala Val Leu Leu Ser Pro
 65 70 75 80
 Gly Gly Pro Gly Ser Thr Leu Asp Thr Thr Cys *
 85 90 91

<210> 1065
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 1065
 Met Phe Leu Glu His Ala Ile His Cys Ser Leu Leu Phe Leu Ser Gln
 1 5 10 15
 Leu Pro Leu Leu Pro Pro Leu Val Phe Leu Leu Leu Ser His Leu Leu
 20 25 30
 Ser Glu Val Pro Leu Ile Gln Gln Pro Pro Ser Leu Ser Pro Tyr Pro
 35 40 45
 Asp Leu Leu Ser Pro Phe Ser Val Thr Arg Leu Pro Ser Asn Ile Leu
 50 55 60
 Cys Asn *
 65 66

<210> 1066
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 1066
 Met Gly Gln Val Pro Cys Cys Trp Ala Trp Trp Ser Leu Leu Gln Gly
 1 5 10 15
 Arg Gly Ser Trp Cys Glu His Lys Glu Leu Arg Gly Trp Arg Arg Pro
 20 25 30
 Gly Pro Gly Ala Cys Arg Arg Thr Pro Ala Arg Gly Gln Ala Gly Pro
 35 40 45
 Gly Ala Cys Arg Arg Thr Pro Ala Arg Gly Gln Ala Gly Pro Asp Ser

50 55 60
 Leu Ala Gly Trp Asp Leu Thr Gly Ala Pro Gly Ser Leu Gly
 65 70 75 78

<210> 1067
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1067
 Met Tyr Phe Gly Ala Tyr Ala Phe Thr Val Ala Pro Arg Leu Ala Ile
 1 5 10 15
 Leu Gln Val Val Asn Val Ile Ser Tyr Lys Asp Ile Arg His Phe Tyr
 20 25 30
 Leu Arg His Trp Arg Asn Glu Arg Asn Cys Ile Cys His Val Asp Gly
 35 40 45
 Ala Leu Ile Lys Glu Gln *
 50 54

<210> 1068
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1068
 Met His Val Cys Met Pro Leu Cys Leu Phe Leu Leu Ser Phe Ser Val
 1 5 10 15
 Ser Pro Asp Pro Arg Leu Leu Arg Met Glu Arg Leu Phe Arg Gly Cys
 20 25 30
 Ala Gln Asp Cys Pro Phe Leu Ala Leu His Gln Gly Glu Leu Trp *
 35 40 45 47

<210> 1069
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1069
 Met Ser Asn Leu Gln Phe Ile Phe Lys Asp Phe Gly Ile Leu Ile Lys
 1 5 10 15
 Phe Trp Tyr Leu His Ile Lys Phe Gly Phe Tyr Ile Thr Ser Cys Leu
 20 25 30
 Leu Cys Phe Pro Pro Ser Phe Met Leu Phe Phe Gly Phe Trp Pro His
 35 40 45
 Asp Tyr Asn Leu Arg Phe Cys Ile His Ile Thr Phe Cys His Phe *
 50 55 60 63

<210> 1070

<211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1070
 Met Pro Ser Ile Arg Leu Gly Leu Ser His Leu Phe Leu Thr Ala Gly
 1 5 10 15
 Ile Tyr Cys Leu Leu Leu Cys Ala Arg Cys Cys Ala Leu Gly Arg Gly
 20 25 30
 Thr Ala Trp Ala Ala Cys Pro Gly Gly Ala Cys Gly Leu Met Gly Glu
 35 40 45
 Ala Asp Pro Ser Pro Pro His Cys Gln Gln Gly Gln Gly Lys Ser Thr
 50 55 60
 His Arg Gly Leu Ile Pro Tyr Val *
 65 70 72

<210> 1071
 <211> 152
 <212> PRT
 <213> Homo sapiens

<400> 1071
 Met Phe Trp Thr Met Ile Ile Leu Leu Gln Val Leu Ile Pro Ile Ser
 1 5 10 15
 Leu Tyr Val Ser Ile Glu Ile Val Lys Leu Gly Gln Ile Tyr Phe Ile
 20 25 30
 Gln Ser Asp Val Asp Phe Tyr Asn Glu Lys Met Asp Ser Ile Val Gln
 35 40 45
 Cys Arg Ala Leu Asn Ile Ala Glu Asp Leu Gly Gln Ile Gln Tyr Leu
 50 55 60
 Phe Ser Asp Lys Thr Gly Thr Leu Thr Glu Asn Lys Met Val Phe Arg
 65 70 75 80
 Arg Trp Ser Gly Gly Arg Phe Asp Tyr Cys Pro Gly Glu Lys Ala Arg
 85 90 95
 Arg Val Glu Ser Phe Gln Glu Ala Ala Phe Glu Glu Glu His Phe Leu
 100 105 110
 Thr Thr Gly Arg Gly Phe Leu Thr His Met Ala Asn Pro Arg Ala Pro
 115 120 125
 Pro Leu Ala Asp Thr Phe Lys Met Gly Ala Ser Gly Arg Leu Ser Pro
 130 135 140
 Pro Ser Leu Thr Ala Arg Gly Ala
 145 150 152

<210> 1072
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 1072
 Met Thr Ala Gly Val Leu Trp Gly Leu Phe Gly Val Leu Gly Phe Thr
 1 5 10 15
 Gly Val Ala Leu Leu Leu Tyr Ala Leu Phe His Lys Ile Ser Gly Glu

```

      20      25      30
Ser Ser Ala Thr Asn Glu Pro Arg Gly Ala Ser Arg Pro Asn Pro Gln
      35      40      45
Glu Phe Thr Tyr Ser Ser Pro Thr Pro Asp Met Glu Glu Leu Gln Pro
      50      55      60
Val Tyr Val Asn Val Gly Ser Val Asp Val Asp Val Val Tyr Ser Gln
      65      70      75      80
Val Trp Ser Met Gln Gln Pro Glu Ser Ser Ala Asn Ile Arg Thr Leu
      85      90      95
Leu Glu Asn Lys Asp Ser Gln Val Ile Tyr Ser Ser Val Lys Lys Ser
      100      105      110      112
*
```

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<210> 1073
<211> 52
<212> PRT
<213> Homo sapiens
```

```

<400> 1073
Met Thr Leu Cys Cys Pro Trp Ala Thr Met His Pro Ser Thr Val Leu
  1      5      10      15
Arg Met Val Trp Ser Leu Arg Ser Arg Ala Arg Arg Trp Gly Ser Val
      20      25      30
Arg Thr Gly Leu Ser Trp Ser Ser Ser Asp Ser Arg Ile Thr Ser
      35      40      45
Leu Ser Leu *
      50  51
```

```

<210> 1074
<211> 78
<212> PRT
<213> Homo sapiens
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```

<400> 1074
Met Phe Ser Arg Leu Tyr Ala Val Cys Met Leu Tyr Met Trp Gly Phe
  1      5      10      15
Val Asp Lys Met Cys Val Trp Ser Val Met Gln Val Cys Tyr Cys Leu
      20      25      30
Val Phe Val Tyr Val Phe Leu Cys Met Val Cys Arg Val Arg Ala His
      35      40      45
Asp His Ile Gln Ile Leu Asp Pro Tyr Ser Arg Leu Val Leu Ser Arg
      50      55      60
Leu Pro Arg Leu Glu Thr Gly Lys Asp Ser Ser Ser Leu *
      65      70      75      77
```

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<210> 1075
<211> 253
<212> PRT
<213> Homo sapiens
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<400> 1075

Met	Ser	Ser	Ser	Pro	Gly	Leu	Leu	Phe	Ser	Ser	Leu	Ser	His	Leu	Leu
1				5					10					15	
Leu	Asn	Ser	Ser	Thr	Leu	Ala	Leu	Leu	Thr	His	Arg	Leu	Ser	Gln	Met
			20					25						30	
Thr	Cys	Leu	Gln	Ser	Leu	Arg	Leu	Asn	Arg	Asn	Ser	Ile	Gly	Asp	Val
		35					40						45		
Gly	Cys	Cys	His	Leu	Ser	Glu	Ala	Leu	Arg	Ala	Ala	Thr	Ser	Leu	Glu
	50					55					60				
Glu	Leu	Asp	Leu	Ser	His	Asn	Gln	Ile	Gly	Asp	Ala	Gly	Asp	Gln	His
65					70				75					80	
Leu	Ala	Thr	Ile	Leu	Pro	Gly	Leu	Pro	Glu	Leu	Arg	Lys	Ile	Asp	Leu
				85					90					95	
Ser	Gly	Asn	Ser	Ile	Ser	Ser	Ala	Gly	Gly	Val	Gln	Leu	Ala	Glu	Ser
		100						105					110		
Leu	Val	Leu	Cys	Arg	Arg	Leu	Glu	Glu	Leu	Met	Leu	Gly	Cys	Asn	Ala
	115						120					125			
Leu	Gly	Asp	Pro	Thr	Ala	Leu	Gly	Leu	Ala	Gln	Glu	Leu	Pro	Gln	His
	130					135					140				
Leu	Arg	Val	Leu	His	Leu	Pro	Phe	Ser	His	Leu	Gly	Pro	Asp	Gly	Ala
145					150				155						160
Leu	Ser	Leu	Ala	Gln	Asp	Leu	Asp	Gly	Ser	Pro	His	Leu	Glu	Glu	Ile
				165					170					175	
Ser	Leu	Ala	Glu	Asn	Asn	Leu	Ala	Gly	Gly	Val	Leu	Arg	Phe	Cys	Met
		180						185					190		
Glu	Leu	Pro	Leu	Leu	Arg	Gln	Ile	Glu	Leu	Ser	Trp	Asn	Leu	Leu	Gly
	195					200						205			
Asp	Glu	Ala	Ala	Ala	Glu	Leu	Ala	Gln	Val	Leu	Pro	Gln	Met	Gly	Arg
	210					215					220				
Leu	Lys	Arg	Val	Glu	Tyr	Glu	Gly	Pro	Gly	Glu	Glu	Trp	Asp	Gly	Leu
225					230				235					240	
Lys	Gly	Asp	Leu	His	Pro	Gly	Asn	Thr	Lys	Arg	Pro	Leu			
			245						250			253			

<210> 1076

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1076

Met	Ser	Asp	Ile	Ser	Pro	Leu	Leu	Tyr	Glu	Ile	Trp	Leu	Gly	Asp	Thr
1				5					10					15	
Ser	Ala	Gly	Phe	Phe	Thr	Phe	Cys	Val	Thr	Val	Leu	His	Val	Leu	Leu
			20					25					30		
Leu	Leu	Ser	Ser	Val	Leu	His	Phe	Leu	Cys	Pro	Arg	Asp	Thr	Ser	Val
		35					40					45			
Ile	Ser	Pro	Phe	Ile	Pro	Pro	Leu	Thr	Pro	Pro	Gln	Ser	Arg	Leu	*
	50					55					60			63	

<210> 1077

<211> 147

<212> PRT

<213> Homo sapiens

<400> 1077
 Met Met Lys Ser Leu Arg Val Leu Leu Val Ile Leu Trp Leu Gln Leu
 1 5 10 15
 Ser Trp Val Trp Ser Gln Gln Lys Glu Val Glu Gln Asn Ser Gly Pro
 20 25 30
 Leu Ser Val Pro Glu Gly Ala Ile Ala Ser Leu Asn Cys Thr Tyr Ser
 35 40 45
 Asp Arg Gly Ser Gln Ser Phe Phe Trp Tyr Arg Gln Tyr Ser Gly Lys
 50 55 60
 Ser Pro Glu Leu Ile Met Ser Ile Tyr Ser Asn Gly Asp Lys Glu Asp
 65 70 75 80
 Gly Arg Phe Thr Ala Gln Leu Asn Lys Ala Ser Gln Tyr Val Ser Leu
 85 90 95
 Leu Ile Arg Asp Ser Gln Pro Ser Asp Ser Ala Thr Tyr Leu Cys Ala
 100 105 110
 Asp Tyr Ser Gly Asn Thr Pro Leu Val Phe Gly Lys Gly Thr Arg Leu
 115 120 125
 Ser Val Ile Ala Asn Ile Gln Asn Pro Asp Pro Ala Leu Tyr Gln Leu
 130 135 140
 Arg Asp Ser
 145 147

<210> 1078
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1078
 Met Phe Gln Gly Ser Asn Ile Leu Phe Leu Leu Pro Ser Pro Gly Ile
 1 5 10 15
 Thr Ser Ile Asn Asp Arg Thr Tyr Phe Leu Phe Val Met Arg Ser Asn
 20 25 30
 Trp Leu Phe Leu Leu Thr Cys Leu Ile Ala Phe Gln Lys Asn Asn Lys
 35 40 45
 Ser Leu Lys Leu Leu Lys *
 50 54

<210> 1079
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 1079
 Met Ile Pro Ala Phe Gly Ile Phe Arg Leu Leu Ile Ile Ile Leu Ile
 1 5 10 15
 Ile Val Leu Asp Met Gly Phe Ala Leu Tyr Arg Arg Phe Phe Val Pro
 20 25 30
 Glu Asp Gly Ser Pro Val Ser Phe Ala Ala His Ile Ala Gly Gly Phe
 35 40 45
 Ala Gly Met Ser Ile Gly Tyr Thr Val Phe Ser Cys Phe Asp Lys Ala
 50 55 60

Leu Met Lys Asp Pro Arg Phe Trp Ile Ala Ile Ala Ala Tyr Leu Ala
 65 70 75 80
 Cys Val Leu Phe Ala Val Phe Phe Asn Ile Phe Leu Ser Pro Ala Asn
 85 90 95 96
 *

<210> 1080
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 1080
 Met Leu Ser Ile Leu Leu Ala Thr Leu Thr Leu Ser Leu Lys Glu Lys
 1 5 10 15
 Arg Gly Glu Arg Ser Ile His Gln Pro Glu Pro Ser Glu Lys Ser Val
 20 25 30
 Cys Leu Pro Val Ser Gly Ala Asp Pro Phe Arg Gly Ser Arg Gly Arg
 35 40 45
 Gly Lys Glu Ile Arg Arg Glu Lys Asp Ile Gly Leu Leu Glu His Val
 50 55 60
 Gly Gln Glu Val Pro Arg Arg Ile Cys Glu Gln Leu Pro Asp Ser Lys
 65 70 75 80
 Ala Leu Ala Arg Pro Gln Asp Gly Pro Cys Leu Leu Asp Ile Arg Lys
 85 90 95
 Pro Lys Gly Gln Asn Lys Asn Thr Cys Leu Val Gly Glu Gly Ser Leu
 100 105 110
 Arg Gly His Gln Val Gly Gln Ile Pro Leu Val Thr His Leu Trp Arg
 115 120 125
 Leu Pro Gln Lys Cys *
 130 133

<210> 1081
 <211> 185
 <212> PRT
 <213> Homo sapiens

<400> 1081
 Met Lys Ile Leu Val Ala Phe Leu Val Val Leu Thr Ile Phe Gly Ile
 1 5 10 15
 Gln Ser His Gly Tyr Glu Val Phe Asn Ile Ile Ser Pro Ser Asn Asn
 20 25 30
 Gly Gly Asn Val Gln Glu Thr Val Thr Ile Asp Asn Glu Lys Asn Thr
 35 40 45
 Ala Ile Ile Asn Ile His Ala Gly Ser Cys Ser Ser Thr Thr Ile Phe
 50 55 60
 Asp Tyr Lys His Gly Tyr Ile Ala Ser Arg Val Leu Ser Arg Arg Ala
 65 70 75 80
 Cys Phe Ile Leu Lys Met Asp His Gln Asn Ile Pro Pro Leu Asn Asn
 85 90 95
 Leu Gln Trp Tyr Ile Tyr Glu Lys Gln Ala Leu Asp Asn Met Phe Ser
 100 105 110
 Ser Lys Tyr Thr Trp Val Lys Tyr Asn Pro Leu Glu Ser Leu Ile Lys

```

      115      120      125
Asp Val Asp Trp Phe Leu Leu Gly Ser Pro Ile Glu Lys Leu Cys Lys
      130      135      140
His Ile Pro Leu Tyr Lys Gly Glu Val Val Glu Asn Thr His Asn Val
145      150      155      160
Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
      165      170      175
Ser Ile Cys Ala Asp Ile His Val *
      180      184

```

<210> 1082

<211> 285

<212> PRT

<213> Homo sapiens

<221> misc_feature

<222> (1)...(285)

<223> Xaa = any amino acid or nothing

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      <400> 1082
Met Val Ile Ala Leu Ile Ile Phe Leu Arg Ser Pro Ala Met Ala Gly
  1      5      10      15
Gly Leu Phe Ala Ile Glu Arg Glu Phe Phe Glu Leu Gly Leu Tyr
      20      25      30
Asp Pro Gly Leu Gln Ile Trp Gly Gly Glu Asn Phe Glu Ile Ser Tyr
      35      40      45
Lys Ile Trp Gln Cys Gly Gly Lys Leu Leu Phe Xaa Pro Cys Ser Arg
  50      55      60
Val Gly His Ile Tyr Arg Leu Glu Gly Trp Gln Gly Asn Pro Pro Pro
  65      70      75      80
Ile Tyr Val Gly Ser Ser Pro Thr Leu Lys Asn Tyr Val Arg Val Val
      85      90      95
Glu Val Trp Trp Asp Glu Tyr Lys Asp Tyr Phe Tyr Ala Ser Arg Pro
      100      105      110
Glu Ser Gln Ala Leu Pro Tyr Gly Asp Ile Ser Glu Leu Lys Lys Phe
      115      120      125
Arg Glu Asp His Asn Cys Lys Ser Phe Lys Trp Phe Met Glu Glu Ile
      130      135      140
Ala Tyr Asp Ile Thr Ser His Tyr Pro Leu Pro Pro Lys Asn Val Asp
145      150      155      160
Trp Gly Glu Ile Arg Gly Phe Glu Thr Ala Tyr Cys Ile Asp Ser Met
      165      170      175
Gly Lys Thr Asn Gly Gly Phe Val Glu Leu Gly Pro Cys His Arg Met
      180      185      190
Gly Gly Asn Gln Leu Phe Arg Ile Asn Glu Ala Asn Gln Leu Met Gln
      195      200      205
Tyr Asp Gln Cys Leu Thr Lys Gly Ala Asp Gly Ser Lys Val Met Ile
      210      215      220
Thr His Cys Asn Leu Asn Glu Phe Lys Glu Trp Gln Tyr Phe Lys Asn
225      230      235      240
Leu His Arg Phe Thr His Ile Pro Ser Gly Lys Cys Leu Asp Arg Ser
      245      250      255
Glu Val Leu His Gln Val Phe Ile Ser Asn Cys Asp Ser Ser Lys Thr
      260      265      270
Thr Gln Lys Trp Glu Met Asn Asn Ile His Ser Val *
      275      280      284

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<210> 1083
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1083
 Met Phe Trp Phe Leu Asn Ile Phe Ile Leu Ile Leu Ser Lys His Ser
 1 5 10 15
 Ser Lys Ser Leu Ser Leu Gln Leu Pro Glu Val Leu Leu Leu Phe Leu
 20 25 30
 Cys Gln Phe Cys Leu Arg Leu His Pro Val Arg Gly Leu Arg Leu His
 35 40 45
 Phe Lys Ala Lys Leu Ala Asn His His Val Ile Cys Ile Gly Leu Gly
 50 55 60
 Phe Phe Leu Phe Val Ser Val Leu *
 65 70 72

<210> 1084
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1084
 Met Ile Phe Gly Thr Asp Cys Cys Ala Leu Ser Lys Tyr Met Trp Ala
 1 5 10 15
 Phe Val Phe Phe Leu Ile Lys Ala Arg Trp Arg Glu Lys Asn Pro Cys
 20 25 30
 Phe Asp Asp Ser Leu Arg Pro Glu Gln Cys Leu Leu Asp Glu Gly Ser
 35 40 45
 Leu Glu Lys Arg Tyr Ser Met *
 50 55

<210> 1085
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 1085
 Met Gln Ile Phe Leu Leu Leu Tyr Ala Leu Gly Arg Phe Val Leu Leu
 1 5 10 15
 Val Thr Phe Ser Pro Leu Val Leu Ser Leu Ser Tyr Pro Val Leu Val
 20 25 30
 Ser Phe Tyr Leu Arg Tyr Pro Ser Val Leu Phe Val Phe Leu His Asn
 35 40 45
 Val Val Ser Leu Val Phe Gly Tyr Pro Leu Gln Asn Gln Gln Gly Leu
 50 55 60
 Ile His Pro *
 65 67

<210> 1086
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 1086
 Met Cys Pro Phe Met Pro Pro Pro Gly Leu Leu Arg Leu Phe Gln Ile
 1 5 10 15
 Val Phe Trp Val Glu His Pro Gly Ser Val Asn Pro Phe Glu Arg Ser
 20 25 30
 Thr Ile Ile Gly Arg Ser Ala Lys Leu Lys Lys Asp Leu Lys Ser His
 35 40 45
 Trp Glu Pro Gly Gln Gln Ala Leu Gln Gln Gly Leu Leu *
 50 55 60 61

<210> 1087
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Met Pro Tyr Val Thr Glu Ala Thr Arg Val Gln Leu Val Leu Pro Leu
 1 5 10 15
 Leu Val Ala Glu Ala Ala Ala Ala Pro Ala Phe Leu Glu Ala Phe Ala
 20 25 30
 Ala Asn Val Leu Glu Pro Arg Glu His Ala Leu Leu Thr Leu Leu Leu
 35 40 45
 Val Tyr Gly Pro Arg Glu Gly Gly Arg Gly Ala Pro Asp Pro Phe Leu
 50 55 60
 Gly Val Lys Ala Ala Ala Ala Glu Leu Glu Arg Arg Tyr Pro Gly Thr
 65 70 75 80
 Arg Leu Ala Trp Leu Ala Val Arg Ala Glu Ala Pro Ser Gln Val Arg
 85 90 95
 Leu Met Asp Val Val Ser Lys Lys His Pro Val Asp Thr Leu Phe Phe
 100 105 110
 Leu Thr Thr Val Trp Thr Arg Pro Gly Pro Glu Val Leu Asn Arg Cys
 115 120 125
 Arg Met Asn Ala Ile Ser Gly Trp Gln Ala Phe Phe Pro Val His Phe
 130 135 140
 Gln Glu Phe Asn Pro Ala Leu Ser Pro Gln Arg Ser Pro Pro Gly Pro
 145 150 155 160
 Pro Gly Ala Gly Pro Asp Pro Pro Ser Pro Pro Gly Ala Asp Pro Ser
 165 170 175
 Arg Gly Ala Pro Ile Gly Gly Arg Phe Asp Arg Gln Ala Ser Ala Glu
 180 185 190
 Gly Cys Phe Tyr Asn Ala Asp Tyr Leu Ala Ala Arg Ala Arg Leu Ala
 195 200 205
 Gly Glu Leu Ala Gly Gln Glu Glu Glu Glu Ala Leu Glu Gly Leu Glu
 210 215 220
 Val Met Asp Val Phe Leu Arg Phe Ser Gly Leu His Leu Phe Arg Ala
 225 230 235 240
 Val Glu Pro Gly Leu Val Gln Lys Phe Ser Leu Arg Asp Cys Ser Pro
 245 250 255

Arg Leu Ser Glu Glu Leu Tyr His Arg Cys Arg Leu Ser Asn Leu Glu
 260 265 270
 Gly Leu Gly Gly Arg Ala Gln Leu Ala Met Ala Leu Phe Glu Gln Glu
 275 280 285
 Gln Ala Asn Ser Thr *
 290 293

<210> 1088
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 1088
 Met Gln Trp Lys Val Thr Leu Thr Ser Arg Trp Gly Leu Leu Arg His
 1 5 10 15
 Cys Gln Val Leu Ala Gly Leu Leu His Leu Gly Asn Ile Gln Phe Ala
 20 25 30
 Ala Ser Glu Asp Glu Ala Gln Pro Cys Gln Pro Met Asp Asp Ala Lys
 35 40 45
 Tyr Ser Val Arg Thr Ala Ala Ser Leu Leu Gly Leu Pro Glu Asp Val
 50 55 60
 Leu Leu Glu Met Val Gln Ile Lys Thr Ile Arg Ala Gly Arg Gln Gln
 65 70 75 80
 Gln Val Phe Arg Lys Pro Cys Ala Arg Ala Glu Cys Asp Thr Arg Arg
 85 90 95
 Asp Cys Leu Ala Lys Leu Ile Tyr Ala Arg Leu Phe Asp Trp Leu Val
 100 105 110
 Ser Val Ile Asn Ser Ser Ile Cys Ala Asp Thr Asp Ser Trp Thr Thr
 115 120 125
 Phe Ile Gly Leu Leu Asp Val Tyr Gly Phe Glu Ser Phe Pro Asp Asn
 130 135 140
 Ser Leu Glu Gln Leu Cys Ile Asn Tyr Ala Asn Glu Lys Leu Gln Gln
 145 150 155 160
 His Phe Val Ala His Tyr Leu Arg Ala Gln Gln Glu Glu Tyr Ala Val
 165 170 175
 Glu Gly Leu Glu Trp Ser Phe Ile Asn Tyr Gln Asp Asn Gln Pro Cys
 180 185 190
 Leu Asp Leu Ile Glu Gly Ser Pro Ile Ser Ile Cys Ser Leu Ile Asn
 195 200 205
 Glu Glu Cys Arg Leu Asn Arg Pro Ser Ser Ala Ala Gln Leu Gln Thr
 210 215 220
 Arg Ile Glu Thr Ala Leu Ala Gly Ser Pro Cys Leu Gly His Asn Lys
 225 230 235 240
 Leu Ser Arg Glu Pro Ser Phe Ile Val Val His Tyr Ala Gly Pro Val
 245 250 255
 Arg Tyr His Thr Ala Gly Leu Val Glu Lys Asn Lys Asp Pro Ile Pro
 260 265 270
 Pro Glu Leu Thr Arg Leu Leu Gln Gln Ser Gln Asp Pro Leu Leu Met
 275 280 285
 Gly Leu Phe Pro Thr Asn Pro Lys Glu Lys Thr Gln Glu Glu Pro Pro
 290 295 300
 Gly Gln Ser Arg Ala Pro Val Leu Thr Val Val Ser Lys Phe Lys Ala
 305 310 315 320
 Ser Leu Glu Gln Leu Leu Gln Val Leu His Ser Thr Thr Pro His Tyr
 325 330 335
 Ile Arg Cys Ile Met Pro Asn Ser Gln Gly Gln Ala Gln Thr Phe Leu

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<210> 1089
<211> 66
<212> PRT
<213> Homo sapiens
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<210> 1090
<211> 185
<212> PRT
<213> Homo sapiens
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633

Pro Ala Val Glu Val Gln Ser Ala Ile Arg Met Asn Lys Asn Arg Ile
 100 105 110
 Asn Asn Ala Phe Phe Leu Asn Asp Gln Thr Leu Glu Phe Leu Lys Ile
 115 120 125
 Pro Ser Thr Leu Ala Pro Pro Met Asp Pro Ser Val Pro Ile Trp Ile
 130 135 140
 Ile Ile Phe Gly Val Ile Phe Cys Ile Ile Ile Val Ala Ile Ala Leu
 145 150 155 160
 Leu Ile Leu Ser Gly Ile Trp Gln Arg Arg Arg Lys Asn Lys Glu Pro
 165 170 175
 Ser Glu Val Asp Asp Ala Glu Glu *
 180 184

<210> 1091
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1091
 Met Leu Gly Gly Asn Phe Leu Met Phe Leu Pro Pro Leu Gln Arg Leu
 1 5 10 15
 Cys Ser Asn Leu Leu Ser Tyr Val Ile Pro Asn Asp Phe Ser Val Met
 20 25 30
 Ser Cys Phe Ile Lys Ala Ser Leu Asn Tyr Thr Leu Leu Ile *
 35 40 45 46

<210> 1092
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1092
 Met Val Leu Trp Asn Leu Met Leu His Ser Leu Ser Ala Val Thr Tyr
 1 5 10 15
 Pro Pro Asp Leu Val Ser Trp Asn Leu His Phe Lys Gln Asn Pro Asp
 20 25 30
 His Ser Pro Leu Pro Gln Leu Thr Trp Glu Val Leu Pro *
 35 40 45

<210> 1093
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1093
 Met Thr Val Ser Phe Cys Cys Cys Trp Ile Leu Ala Val Leu Pro Ser
 1 5 10 15
 Pro Pro Leu Tyr Gln Asp Leu Val Gly Ser Lys Leu Glu Ile Gln Ala
 20 25 30
 Ala Gly Asp Pro Met Pro Ala Ala Ser Arg Leu Phe His Glu Arg Gln

35 40 45
 Ser Leu Pro Gly Ala Pro Ala Thr Ser Ala Ser Pro Ser Val Leu *
 50 55 60 63

<210> 1094
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1094
 Met His Phe Leu Ala Thr Phe Ala Leu Phe Phe Ile Phe Gly Val Phe
 1 5 10 15
 Phe Leu Phe Ala Val Leu Thr Asn Leu Leu Leu Ala Glu Glu Val Asn
 20 25 30
 Ile Arg Gly Gly Asn Phe Leu Gly Ser Phe Leu Val His Thr Leu Phe
 35 40 45
 Leu Asp Gln Val Pro Gly Glu Ile Thr His Asp Ser His Leu Val Leu
 50 55 60
 Ala Ile Thr Ile Asn Thr Ala Ser Pro Lys Phe Ser Ser Ser Ile Phe
 65 70 75 80
 Phe Tyr Gln Leu *
 84

<210> 1095
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 1095
 Met Ala Ser His Gly Glu Glu Asp Arg His Trp Leu Arg Ala Cys Thr
 1 5 10 15
 Trp Ile Trp Ala Leu Ser Leu Thr Leu Ser Val Ser Ser Ser Val Gly
 20 25 30
 Trp Arg Arg Gly Gly Cys Arg Trp Leu Gly Arg Arg Asn Ala Thr Val
 35 40 45
 Pro Arg Asn Ser Pro His Gly Thr Ser Cys Leu His Cys Val Leu Asp
 50 55 60
 Ile Pro Ala Lys Cys Gly Arg Lys Arg Ser Gly Glu Gly Thr Phe Gln
 65 70 75 80
 Ser Leu Leu Leu Phe Cys Thr Ala *
 85 88

<210> 1096
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 1096
 Met Phe Val Ile Ala Phe Leu Ser Pro Leu Ser Leu Ile Phe Leu Ala
 1 5 10 15

Lys Phe Leu Lys Lys Ala Asp Thr Arg Asp Ser Arg Gln Ala Cys Leu
 20 25 30
 Ala Ala Ser Leu Ala Leu Ala Leu Asn Gly Val Phe Thr Asn Thr Ile
 35 40 45
 Lys Leu Ile Val Gly Arg Pro Arg Pro Asp Phe Phe Tyr Arg Cys Phe
 50 55 60
 Pro Asp Gly Leu Ala His Ser Asp Leu Met Cys Thr Gly Asp Lys Asp
 65 70 75 80
 Val Val Asn Glu Gly Arg Lys Ser Phe Pro Ser Gly His Ser Ser Phe
 85 90 95
 Ala Phe Ala Gly Leu Ala Phe Ala Ser Phe Tyr Leu Ala Gly Lys Leu
 100 105 110
 His Cys Phe Thr Pro Gln Gly Arg Gly Lys Ser Trp Arg Phe Cys Ala
 115 120 125
 Phe Leu Ser Pro Leu Leu Phe Ala Ala Val Ile Ala Leu Ser Arg Thr
 130 135 140
 Cys Asp Tyr Lys His His Trp Gln Gly Pro Phe Lys Trp *
 145 150 155 157

<210> 1097

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1097

Met Ile Thr Thr Ser Leu Lys Ser Ser Ser Arg Leu Cys Cys Phe Arg
 1 5 10 15
 Arg Ser Ile Phe Phe Thr Ala Thr Cys Phe Pro Val Cys Phe Ser Val
 20 25 30
 Ala Met His Thr Met Pro Val Glu Pro Ser Pro Ile Leu Ile Lys Leu
 35 40 45
 Ala Lys Tyr Ser Leu Gly Ser Pro Gly Leu Thr Thr Ser Cys Arg Ala
 50 55 60
 Ala Arg Asn Cys Ser Trp Asp Thr Leu Glu Gly Cys Trp Ser Glu Glu
 65 70 75 80
 Glu Pro Gln Leu Gly Gly Gly *
 85 87

<210> 1098

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1098

Met Met Ser Gly Trp Leu Leu Arg Ala Ala Ile Cys Arg Gly Leu Leu
 1 5 10 15
 Ser Ser Glu Ser Leu Thr Phe Thr Ser Ala Pro His Ser Ile Ser Ile
 20 25 30
 Ala Val Thr Cys Arg Asp Gly Asn Leu Gln Thr Gly Tyr Arg Pro Thr
 35 40 45
 His Val Val Phe Leu Ser Thr Ala Arg *
 50 55 57

<210> 1099
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1099
 Met Ala Ser Glu Pro Cys Trp Trp Ala Gly Met Leu Pro Cys Ala Cys
 1 5 10 15
 Ala Gly Leu Arg Arg Cys Ser His Ser Arg Phe Leu Gln Arg Gly His
 20 25 30
 Gly Leu His Ser Leu Met Gly Ser Leu Pro Ala Pro Ile Ser Pro Pro
 35 40 45
 Trp Thr His Pro Trp Gly Ile Ile Leu Pro Trp Pro Ile Arg Gly His
 50 55 60
 Pro Ser Val Pro Ile Arg Leu *
 65 70 71

<210> 1100
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1100
 Met Ser Phe Phe Leu Ile Leu Gly Val Gly Ser Cys Leu Ser Tyr Ser
 1 5 10 15
 Leu Val Pro Leu Ile Ile Leu Ser Phe Cys His Phe Tyr Pro Glu Ser
 20 25 30
 Val Gly Cys Pro Asp Ala Pro Ser Pro Arg Val Arg Gly Arg Val
 35 40 45 47

<210> 1101
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 1101
 Met Arg Pro Leu Lys Pro Gly Ala Pro Leu Pro Ala Leu Phe Leu Leu
 1 5 10 15
 Ala Leu Ala Leu Ser Pro His Gly Ala His Gly Arg Pro Arg Gly Arg
 20 25 30
 Arg Gly Ala Arg Val Thr Asp Lys Glu Pro Lys Pro Leu Leu Phe Leu
 35 40 45
 Pro Ala Ala Gly Ala Gly Arg Thr Pro Ser Gly Ser Arg Ser Ala Glu
 50 55 60
 Ile Phe Pro Arg Asp Ser Asn Leu Lys Asp Lys Phe Ile Lys His Phe
 65 70 75 80
 Thr Gly Pro Val Thr Phe Ser Pro Glu Cys Ser Lys His Phe His Arg
 85 90 95
 Leu Tyr Tyr Asn Thr Arg Glu Cys Ser Thr Pro Ala Tyr Tyr Lys Arg
 100 105 110

Cys Ala Arg Leu Leu Thr Arg Leu Ala Val Ser Pro Leu Cys Ser Gln
 115 120 125
 Thr *
 129

<210> 1102
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 1102
 Met Gln Phe Val Leu Leu Arg Thr Leu Ala Tyr Ile Pro Thr Pro Ile
 1 5 10 15
 Tyr Phe Gly Ala Val Ile Asp Thr Thr Cys Met Leu Trp Gln Gln Glu
 20 25 30
 Cys Gly Val Gln Gly Ser Cys Trp Glu Tyr Asn Val Thr Ser Phe Arg
 35 40 45
 Phe Val Tyr Phe Gly Leu Ala Ala Val Leu Lys Tyr Val Gly Cys Ile
 50 55 60
 Phe Ile Leu Leu Ala Trp Tyr Ser Ile Lys Asp Thr Glu Asp Glu Gln
 65 70 75 80
 Pro Arg Leu Arg Gln Lys Lys Ile Cys Leu Ser Thr Leu Ser Asp Thr
 85 90 95
 Met Thr Gln Pro Asp Ser Ala Gly Val Val Ser Cys Pro Leu Phe Thr
 100 105 110
 Pro Asp Gly Glu Ile His Lys Lys Thr Gly Leu Arg Lys Arg Asp Pro
 115 120 125
 Gly Gly Thr Thr Glu Pro Thr Pro Gly Pro Leu Arg Lys Arg Pro Leu
 130 135 140
 Cys Thr Leu Glu Ala Pro Arg Leu Pro Asn Lys Ala Pro Phe Thr Leu
 145 150 155 160
 Glu Leu Ala Leu Leu Arg Val Arg Leu *
 165 169

<210> 1103
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 1103
 Met Leu Ile Ile Phe Asn Ala Val Trp Val Arg Cys Leu Lys Pro Lys
 1 5 10 15
 Ile Pro Ala Arg Pro Thr Thr Asn Asp Thr Met Ile Ser Lys Thr Lys
 20 25 30
 Gln His Thr Gln Tyr Thr Ser Tyr Ala Pro Ser Trp Pro Trp Leu Gly
 35 40 45
 Pro Ala Ala Cys Gln His Gly Pro Leu Ile Ser His Thr Pro
 50 55 60 62

<210> 1104
 <211> 83

<212> PRT

<213> Homo sapiens

<400> 1104

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Met Lys Gln Leu Ser Pro Leu Pro Leu Pro Trp Val Leu Cys Phe Leu
 1          5          10          15
Trp Lys Pro Ser Lys Leu Ser Val Leu Ser Phe Ala Ser Pro Pro Ser
          20          25          30
Thr Lys Pro Ser Gln Gln Ala Gly Leu Val Cys Ser Leu Ile Arg Val
          35          40          45
Ser Thr Ser Ser Thr Pro Ala Cys Thr Phe Tyr Leu Pro Val Asn Ala
          50          55          60
Lys Cys Arg Ser Cys Pro Leu Asn Asn Pro Pro Trp Glu Val Pro Trp
          65          70          75          80
Ile Asn *
          82

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<210> 1105

<211> 124

<212> PRT

<213> Homo sapiens

<400> 1105

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Met Val Phe Thr Val Thr Leu Lys Leu Ala Leu Asp Thr His Tyr Trp
 1          5          10          15
Thr Trp Ile Asn His Phe Val Ile Trp Gly Ser Leu Leu Phe Tyr Val
          20          25          30
Val Phe Ser Leu Leu Trp Gly Gly Val Ile Trp Pro Phe Leu Asn Tyr
          35          40          45
Gln Arg Met Tyr Tyr Val Phe Ile Gln Met Leu Ser Ser Gly Pro Ala
          50          55          60
Trp Leu Ala Ile Val Leu Leu Val Thr Ile Ser Leu Leu Pro Asp Val
          65          70          75          80
Leu Lys Lys Val Leu Cys Arg Gln Leu Trp Pro Thr Ala Thr Glu Arg
          85          90          95
Val Gln Thr Lys Ser Gln Cys Leu Ser Val Glu Gln Ser Thr Ile Phe
          100          105          110
Met Leu Ser Gln Thr Ser Ser Ser Leu Ser Phe *
          115          120          123

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<210> 1106

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1106

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Met Ser Phe Ser Ala Tyr Gln Thr Ala Phe Ile Cys Leu Gly Leu Leu
 1          5          10          15
Val Gln Gln Ile Ile Phe Phe Leu Gly Thr Thr Ala Leu Ala Phe Leu
          20          25          30
Val Leu Met Pro Val Leu His Gly Arg Asn Leu Leu Leu Phe Arg Ser
          35          40          45

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Leu Glu Ser Ser Trp Pro Phe Trp Leu Thr Leu Ala Leu Ala Val Ile
  50          55          60
Leu Gln Asn Met Ala Ala His Trp Val Phe Leu Glu Thr His Asp Gly
  65          70          75          80
His Pro Gln Leu Thr Asn Arg Arg Val Leu Tyr Ala Ala Thr Phe Leu
          85          90          95
Leu Phe Pro Leu Asn Val Leu Val Gly Ala Met Val Ala Thr Trp Arg
          100          105          110
Val Leu Leu Ser Ala Leu Tyr Asn Ala Ile His Leu Gly Gln Met Asp
          115          120          125
Leu Ser Leu Leu Pro Pro Arg Ala Ala Thr Leu Asp Pro Gly Tyr Tyr
          130          135          140
Thr Tyr Arg Asn Phe Leu Lys Ile Glu Val Ser Gln Ser His Pro Ala
          145          150          155          160
Met Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser Leu Leu Pro
          165          170          175
Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly Glu Glu Asp
          180          185          190
Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala Lys Gly Ala
          195          200          205
Arg Pro Gly Ala Ser Arg Gly Arg Ala Arg Trp Gly Leu Ala Tyr Thr
          210          215          220
Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr Ala Leu Leu
          225          230          235          240
Gly Ala Asn Gly Ala Gln Pro *
          245          247

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<210> 1107
<211> 121
<212> PRT
<213> Homo sapiens

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<400> 1107
Met Met Leu Ala Phe Thr Met Trp Asn Pro Trp Ile Ala Met Cys Leu
  1          5          10          15
Leu Gly Leu Ser Tyr Ser Leu Leu Ala Cys Ala Leu Trp Pro Met Val
          20          25          30
Ala Phe Val Val Pro Glu His Gln Leu Gly Thr Ala Tyr Gly Phe Met
          35          40          45
Gln Ser Ile Gln Asn Leu Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly
          50          55          60
Met Ile Leu Asp Ser Arg Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile
          65          70          75          80
Ala Cys Val Ser Leu Ser Leu Leu Ser Val Val Leu Leu Tyr Leu Val
          85          90          95
Asn Arg Ala Gln Gly Gly Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu
          100          105          110
Glu Ile Lys Phe Ser His Thr Glu *
          115          120

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<210> 1108
<211> 53
<212> PRT
<213> Homo sapiens

```

<400> 1108

Met	Phe	Lys	Asn	Thr	Ser	Gly	Tyr	Thr	Glu	Arg	Val	Ala	Val	Trp	Leu
1				5					10					15	
Gly	Val	Glu	Ile	Phe	Cys	Leu	Leu	Met	Met	Ser	Ser	Val	Leu	Val	Pro
			20					25					30		
Leu	Phe	Tyr	Phe	Leu	Met	Leu	Phe	Gly	Asn	Phe	Leu	Gln	Asn	Leu	Ser
		35					40					45			
Leu	Gly	Ser	Arg	*											
	50		52												

<210> 1109

<211> 259

<212> PRT

<213> Homo sapiens

<400> 1109

Met	His	Val	Val	Ile	Val	Leu	Lys	Ala	Leu	Val	Ala	Val	Gln	Ile	Leu
1				5					10					15	
Leu	Ser	Ile	Lys	Glu	Tyr	Thr	Leu	Glu	Arg	Asn	His	Met	His	Val	Ile
			20					25					30		
Ser	Val	Ile	Lys	Val	Leu	Val	Lys	Ala	Gln	Thr	Ser	Leu	Asn	Ile	Arg
		35					40					45			
Glu	Tyr	Thr	Leu	Val	Lys	Ser	Leu	Ile	Ile	Ala	Ile	Val	Val	Arg	Lys
	50				55					60					
Pro	Ser	Val	Arg	Val	Leu	Thr	Leu	Phe	Phe	Ile	Arg	Glu	Phe	Thr	Leu
65				70					75						80
Glu	Lys	Asn	Tyr	Tyr	Leu	Cys	Thr	Gln	Cys	Ser	Lys	Ser	Phe	Ser	Gln
			85					90					95		
Ile	Ser	Asp	Leu	Ile	Lys	His	Gln	Arg	Ile	His	Thr	Gly	Glu	Lys	Pro
			100				105						110		
Tyr	Lys	Cys	Ser	Glu	Cys	Arg	Lys	Ala	Phe	Ser	Gln	Cys	Ser	Ala	Leu
	115						120					125			
Thr	Leu	His	Gln	Arg	Ile	His	Thr	Gly	Lys	Lys	Pro	Asn	Pro	Cys	Asp
	130				135						140				
Glu	Cys	Gly	Lys	Ser	Phe	Ser	Arg	Arg	Ser	Asp	Leu	Ile	Asn	His	Gln
145				150					155						160
Lys	Ile	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Asp	Ala	Cys	Gly	Lys
			165					170						175	
Ala	Phe	Ser	Thr	Cys	Thr	Asp	Leu	Ile	Glu	His	Gln	Lys	Thr	His	Ala
		180					185						190		
Glu	Glu	Lys	Pro	Tyr	Gln	Cys	Val	Gln	Cys	Ser	Arg	Ser	Cys	Ser	Gln
	195					200					205				
Leu	Ser	Glu	Leu	Thr	Ile	His	Glu	Glu	Val	His	Cys	Gly	Glu	Asp	Ser
	210				215					220					
Gln	Asn	Val	Met	Asn	Val	Arg	Lys	Pro	Leu	Val	Cys	Thr	Pro	Thr	Leu
225				230					235						240
Phe	Ser	Thr	Arg	Asp	Thr	Val	Pro	Glu	Lys	Asn	Leu	Met	Asn	Ala	Val
			245					250						255	
Asp	Tyr	*													
	258														

<210> 1110

<211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1110
 Met Thr Cys Ser Leu Leu Ser Leu Leu Asp Ala Val Cys Ser Ser Phe
 1 5 10 15
 Val Gln Ala Phe Cys Ser Arg Asp Pro Glu Arg Trp Pro Ala Ile Ser
 20 25 30
 Pro His Ser Leu Ser Gly Ala Phe Tyr Phe Leu Asn Val Cys *
 35 40 45 46

<210> 1111
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1111
 Met Ser Leu Arg Ala Pro Ser Val Arg Ile Phe Val Tyr Leu Leu Phe
 1 5 10 15
 Arg Leu His Thr Gln Arg Gly Leu Leu Ala Gly Arg Arg Gln Trp Gly
 20 25 30
 Pro Cys Pro Leu Ser Phe Ser His Phe Leu His Leu Ser Val Leu Ser
 35 40 45
 Cys Ser Thr Gln Ile Tyr Thr Glu Gly Ser Trp Pro Gly Trp Ala Ser
 50 55 60
 Leu Gly Ala Pro Ser Val His Trp Ala Arg Phe Pro Cys Trp Leu Gln
 65 70 75 80
 Ala Met Gly Ser Phe Ser Pro Leu Cys Pro Ser Cys *
 85 90 92

<210> 1112
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1112
 Met Met Pro Thr Asn Leu Ala His Leu Val Phe Trp Gln Ala Leu Leu
 1 5 10 15
 Ala Ser Gly Arg Phe Ser Leu Met Glu His Tyr Pro Pro Asn Val Gln
 20 25 30
 Ser Asn Arg Gly Ile Thr His Tyr Met Leu Pro Arg Gly Tyr Ile Leu
 35 40 45
 Gly Leu Leu Tyr Ser Ser Ala Gly Asn Thr Gly Thr Ser Arg Pro Arg
 50 55 60
 Arg Thr His Tyr Gly Thr *
 65 70

<210> 1113
 <211> 47

<212> PRT

<213> Homo sapiens

<400> 1113

Met	Tyr	Leu	Val	Lys	Gly	Leu	Leu	Ile	Gly	Leu	His	Ser	Ile	Leu	Leu
1				5					10					15	
Cys	Leu	Arg	Glu	Gln	Gly	Gly	Leu	Arg	Arg	Val	Glu	Arg	Asp	Glu	Gly
			20					25					30		
Thr	Ala	Ser	Trp	Tyr	Ser	Ser	Gln	Asn	Thr	Tyr	Asn	Ile	Tyr	*	
			35				40					45	46		

<210> 1114

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1114

Met	Thr	Val	Leu	Ser	Phe	Gln	Tyr	Glu	Tyr	Leu	Ile	Phe	Leu	Leu	Thr
1				5					10					15	
Ser	Leu	Thr	Thr	Ile	Tyr	Asn	Thr	Thr	Leu	Ser	Arg	Ser	Gly	Asp	Gly
			20					25					30		
Arg	Arg	Thr	Cys	Leu	Val	Phe	Asn	Leu	Arg	Glu	Lys	Val	Phe	Cys	Phe
			35				40					45			
Ser	Thr	Leu	Gly	Ile	Ile	*									
	50				54										

<210> 1115

<211> 83

<212> PRT

<213> Homo sapiens

<400> 1115

Met	Asn	Val	Ile	Cys	Leu	Thr	Leu	Cys	Leu	Val	Ser	Ser	Lys	Cys	Ser
1				5					10					15	
Val	Gly	Gly	Thr	Ala	Ser	Phe	Val	Leu	Leu	Cys	Phe	Ser	Leu	Pro	Val
			20					25					30		
Ser	Ser	Arg	Arg	Arg	Ala	Phe	Gln	Glu	Ser	Gln	Gly	Trp	Thr	Glu	Pro
			35				40					45			
Arg	Gly	Gly	Pro	Ser	Gly	Leu	Pro	His	Thr	Glu	Pro	Gly	Phe	Met	Ala
	50					55				60					
Ser	Ala	Ala	Thr	Arg	Gly	Leu	Ser	Gly	Cys	Gly	Ser	Gln	Ala	Ala	Val
	65				70					75					80
Leu	Thr	*													
	82														

<210> 1116

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1116
 Met Val Leu Leu Val Val Gly Asn Leu Val Asn Trp Ser Phe Ala Leu
 1 5 10 15
 Phe Gly Leu Ile Tyr Arg Pro Arg Asp Phe Ala Ser Tyr Met Leu Gly
 20 25 30
 Ile Phe Ile Cys Asn Leu Leu Leu Tyr Leu Ala Phe Tyr Ile Ile Met
 35 40 45
 Lys Leu Arg Ser Ser Glu Lys Val Leu Pro Val Pro Leu Phe Cys Ile
 50 55 60
 Val Ala Thr Ala Val Met Trp Ala Ala Ala Leu Tyr Phe Phe Phe Gln
 65 70 75 80
 Asn Leu Ser Ser Trp Glu Gly Thr Pro Ala Glu Ser Arg Glu Lys Asn
 85 90 95
 Arg Glu Cys Ile Leu Leu Asp Phe Phe Asp Asp His Asp Ile Trp His
 100 105 110
 Phe Leu Ser Ala Thr Ala Leu Phe Phe Ser Phe Leu Asp Leu Leu Thr
 115 120 125
 Leu Asp Asp Asp Leu Asp Val Val Arg Arg Asp Gln Ile Pro Val Phe
 130 135 140 144
 *

<210> 1117
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1117
 Met Gly Asp Phe Ala Gly Val Asp Phe Val Phe Leu Val Val Cys Phe
 1 5 10 15
 Ala Gln Arg Gln Gly Ala Ala Glu Ala Val Gly Ala Val Leu Ala Val
 20 25 30
 Leu Leu Cys Asp Thr Leu Leu Gly Val Thr Arg Leu Glu Gly Val Ile
 35 40 45
 His Leu Pro Leu Tyr Phe Gly Leu Ser Gly Ile Glu Val Ile Gln Gln
 50 55 60
 Ala His Asn Arg Gly Ser Ser Arg Phe Gln Leu Leu Ile Arg Trp Arg
 65 70 75 80
 Glu Asp Glu Asp Arg Trp Cys Ser His Ser Ser Phe Asp Val His Leu
 85 90 95
 Gly Pro Leu Ala Glu Arg Pro His Val Ser Thr Gln Leu Leu Thr Val
 100 105 110
 Ile Ser Cys Lys Ile Phe Arg Leu Gln Ala Thr Asp Cys Glu Ser Lys
 115 120 125
 Phe Cys Pro Arg Ser Ser Ala Ala Glu Pro *
 130 135 138

<210> 1118
 <211> 194
 <212> PRT
 <213> Homo sapiens

<400> 1118
 Met Cys Leu Leu Phe Leu Leu Pro Arg Phe Pro Val Ser Trp Arg Ala
 1 5 10 15
 Gly Val Asp Gly Ala Ala Pro Ser Ser Gln Asp Leu Trp Arg Ile Arg
 20 25 30
 Ser Pro Cys Gly Asp Cys Glu Gly Phe Asp Val His Ile Met Asp Asp
 35 40 45
 Met Ile Lys Arg Ala Leu Asp Phe Arg Glu Ser Arg Glu Ala Glu Pro
 50 55 60
 His Pro Leu Trp Glu Tyr Pro Cys Arg Ser Leu Ser Glu Pro Trp Gln
 65 70 75 80
 Ile Leu Thr Phe Asp Phe Gln Gln Pro Val Pro Leu Gln Pro Leu Cys
 85 90 95
 Ala Glu Gly Thr Val Glu Leu Lys Arg Pro Gly Gln Ser His Ala Ala
 100 105 110
 Val Leu Trp Met Glu Tyr His Leu Thr Pro Glu Cys Thr Leu Ser Thr
 115 120 125
 Gly Leu Leu Glu Pro Ala Asp Pro Glu Gly Gly Cys Cys Trp Asn Pro
 130 135 140
 His Cys Lys Gln Ala Val Tyr Phe Phe Ser Pro Ala Pro Asp Pro Arg
 145 150 155 160
 Ala Leu Leu Gly Gly Pro Arg Thr Val Ser Tyr Ala Val Glu Phe His
 165 170 175
 Pro Asp Thr Gly Asp Ile Ile Met Glu Phe Arg His Ala Asp Thr Pro
 180 185 190
 Asp *
 193

<210> 1119
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 1119
 Met Leu Val Leu Leu Pro Arg Ser Lys Ala Met Pro Leu Leu Ser Val
 1 5 10 15
 Asn Val Thr Leu Ala Phe Phe Pro Arg Asn Lys Glu Ile Val Lys Tyr
 20 25 30
 Leu Leu Asn Gln Gly Ala Asp Val Thr Leu Arg Ala Lys Asn Gly Tyr
 35 40 45
 Thr Ala Phe Asp Leu Val Met Leu Leu Asn Asp Pro Asp Ile Phe Gly
 50 55 60
 Gly Glu Leu Ile Gly Phe Leu Ser Val Val Thr Glu Leu Val Arg Leu
 65 70 75 80
 Leu Ala Ser Val Phe Met Gln Val Asn Lys Asp Ile Gly Arg Arg Ser
 85 90 95
 His Gln Leu Pro Leu Pro His Ser Lys Val Pro Thr Ala Leu Glu His
 100 105 110
 Pro Ser Ala Ala Arg *
 115 117

<210> 1120
 <211> 842
 <212> PRT

<213> Homo sapiens

<400> 1120

Met	Leu	Trp	Gly	Ser	Gly	Lys	Cys	Lys	Ala	Leu	Thr	Lys	Phe	Lys	Phe
1				5					10					15	
Val	Phe	Phe	Leu	Arg	Leu	Ser	Arg	Ala	Gln	Gly	Gly	Leu	Phe	Glu	Thr
			20					25					30		
Leu	Cys	Asp	Gln	Leu	Leu	Asp	Ile	Pro	Gly	Thr	Ile	Arg	Lys	Gln	Thr
		35					40					45			
Phe	Met	Ala	Met	Leu	Leu	Lys	Leu	Arg	Gln	Arg	Val	Leu	Phe	Leu	Leu
	50					55					60				
Asp	Gly	Tyr	Asn	Glu	Phe	Lys	Pro	Gln	Asn	Cys	Pro	Glu	Ile	Glu	Ala
65					70					75					80
Leu	Ile	Lys	Glu	Asn	His	Arg	Phe	Lys	Asn	Met	Val	Ile	Val	Thr	Thr
				85					90					95	
Thr	Thr	Glu	Cys	Leu	Arg	His	Ile	Arg	Gln	Phe	Gly	Ala	Leu	Thr	Ala
			100					105					110		
Glu	Val	Gly	Asp	Met	Thr	Glu	Asp	Ser	Ala	Gln	Ala	Leu	Ile	Arg	Glu
		115					120					125			
Val	Leu	Ile	Lys	Glu	Leu	Ala	Glu	Gly	Leu	Leu	Leu	Gln	Ile	Gln	Lys
	130					135					140				
Ser	Arg	Cys	Leu	Arg	Asn	Leu	Met	Lys	Thr	Pro	Leu	Phe	Val	Val	Ile
145					150					155					160
Thr	Cys	Ala	Ile	Gln	Met	Gly	Glu	Ser	Glu	Phe	His	Ser	His	Thr	Gln
				165					170					175	
Thr	Thr	Leu	Phe	His	Thr	Phe	Tyr	Asp	Leu	Leu	Ile	Gln	Lys	Asn	Lys
			180					185					190		
His	Lys	His	Lys	Gly	Val	Ala	Ala	Ser	Asp	Phe	Ile	Arg	Ser	Leu	Asp
	195						200					205			
His	Cys	Gly	Tyr	Leu	Ala	Leu	Glu	Gly	Val	Phe	Ser	His	Lys	Phe	Asp
	210					215				220					
Phe	Glu	Leu	Gln	Asp	Val	Ser	Ser	Val	Asn	Glu	Asp	Val	Leu	Leu	Thr
225					230					235					240
Thr	Gly	Leu	Leu	Cys	Lys	Tyr	Thr	Ala	Gln	Arg	Phe	Lys	Pro	Lys	Tyr
				245					250					255	
Lys	Phe	Phe	His	Lys	Ser	Phe	Gln	Glu	Tyr	Thr	Ala	Gly	Arg	Arg	Leu
			260					265					270		
Ser	Ser	Leu	Leu	Thr	Ser	His	Glu	Pro	Glu	Glu	Val	Thr	Lys	Gly	Asn
		275					280					285			
Gly	Tyr	Leu	Gln	Lys	Met	Val	Ser	Ile	Ser	Asp	Ile	Thr	Ser	Thr	Tyr
	290					295					300				
Ser	Ser	Leu	Leu	Arg	Tyr	Thr	Cys	Gly	Ser	Ser	Val	Glu	Ala	Thr	Arg
305					310					315					320
Ala	Val	Met	Lys	His	Leu	Ala	Ala	Val	Tyr	Gln	His	Gly	Cys	Leu	Leu
				325					330					335	
Gly	Leu	Ser	Ile	Ala	Lys	Arg	Pro	Leu	Trp	Arg	Gln	Glu	Ser	Leu	Gln
			340					345					350		
Ser	Val	Lys	Asn	Thr	Thr	Glu	Gln	Glu	Ile	Leu	Lys	Ala	Ile	Asn	Ile
		355					360					365			
Asn	Ser	Phe	Val	Glu	Cys	Gly	Ile	His	Leu	Tyr	Gln	Glu	Ser	Thr	Ser
	370					375					380				
Lys	Ser	Ala	Leu	Ser	Gln	Glu	Phe	Glu	Ala	Phe	Phe	Gln	Gly	Lys	Ser
385					390					395					400
Leu	Tyr	Ile	Asn	Ser	Gly	Asn	Ile	Pro	Asp	Tyr	Leu	Phe	Asp	Phe	Phe
				405					410					415	
Glu	His	Leu	Pro	Asn	Cys	Ala	Ser	Ala	Leu	Asp	Phe	Ile	Lys	Leu	Gly
			420					425					430		
Phe	Tyr	Gly	Gly	Ala	Met	Ala	Ser	Trp	Glu	Lys	Ala	Ala	Glu	Asp	Thr

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<210> 1121
<211> 90
<212> PRT
<213> Homo sapiens
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<400> 1121
 Met Gly Leu Phe Phe Phe Phe Ser Gly Val Gly Ser Phe Val Gly Ser
 1 5 10 15
 Gly Leu Leu Ala Leu Val Ser Ile Lys Ala Ile Gly Trp Met Ser Ser
 20 25 30
 His Thr Asp Phe Gly Asn Ile Asn Gly Cys Tyr Leu Asn Tyr Tyr Phe
 35 40 45
 Phe Leu Leu Ala Ala Ile Gln Gly Ala Thr Leu Leu Leu Phe Leu Ile
 50 55 60
 Ile Ser Val Lys Tyr Asp His His Arg Asp His Gln Arg Ser Arg Ala
 65 70 75 80
 Asn Gly Val Pro Thr Ser Arg Arg Ala *

<210> 1122
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 1122
 Met Phe Leu Leu Phe Trp Phe Ile Leu Ser Glu Gly Cys Pro Leu Leu
 1 5 10 15
 Glu Gln Leu Asn Ile Ser Trp Cys Asp Gln Val Thr Lys Asp Gly Ile
 20 25 30
 Gln Ala Leu Val Arg Gly Cys Gly Gly Leu Lys Ala Leu Phe Leu Lys
 35 40 45
 Gly Cys Thr Gln Leu Glu Asp Glu Ala Leu Lys Tyr Ile Gly Ala His
 50 55 60
 Cys Pro Glu Leu Val Thr Leu Asn Leu Gln Thr Cys Leu Gln Ile Thr
 65 70 75 80
 Asp Glu Gly Leu Ile Thr Ile Cys Arg Gly Cys His Lys Leu Gln Ser
 85 90 95
 Leu Cys Ala Ser Gly Cys Ser Asn Ile Thr Asp Ala Ile Leu Asn Ala
 100 105 110
 Leu Ser Gln Asn Cys Pro Arg Leu Ile Ile Leu Glu Val Ala Arg Cys
 115 120 125
 Ser
 129

<210> 1123
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 1123
 Met Ala Ala Ala Leu Trp Gly Phe Phe Pro Val Leu Leu Leu Leu Leu
 1 5 10 15
 Leu Ser Gly Asp Val Gln Ser Ser Glu Val Pro Gly Ala Ala Ala Glu
 20 25 30
 Gly Ser Gly Gly Ser Gly Val Gly Ile Gly Asp Arg Phe Lys Ile Glu
 35 40 45
 Gly Arg Ala Val Val Pro Gly Val Lys Pro Gln Asp Trp Ile Ser Ala

50		55		60
Ala Arg Val Leu Val Asp Gly Glu Glu His Val Gly Phe Leu Lys Thr				
65		70		75
Asp Gly Ser Phe Val Val His Asp Ile Pro Ser Gly Ser Tyr Val Val				80
	85		90	
Glu Val Val Ser Pro Ala Tyr Arg Phe Asp Pro Val Arg Val Asp Ile				95
	100		105	
Thr Ser Lys Gly Lys Met Arg Ala Arg Tyr Val Asn Tyr Ile Lys Thr				110
	115		120	
Ser Glu Val Val Arg Leu Pro Tyr Pro Leu Gln Met Lys Ser Ser Gly				125
	130		135	
Pro Pro Ser Tyr Phe Ile Lys Arg Glu Ser Trp Gly Trp Thr Asp Phe				140
145		150		155
Leu Met Asn Pro Met Val Met Met Met Val Leu Pro Leu Leu Ile Phe				160
	165		170	
Val Leu Leu Pro Lys Val Val Asn Thr Ser Asp Pro Asp Met Arg Arg				175
	180		185	
Glu Met Glu Gln Ser Met Asn Met Leu Asn Ser Asn His Glu Leu Pro				190
	195		200	
Asp Val Ser Glu Phe Met Thr Arg Leu Phe Ser Ser Lys Ser Ser Gly				205
	210		215	
Lys Ser Ser Ser Gly Ser Ser Lys Thr Gly Lys Ser Gly Ala Gly Lys				220
225		230		235
Arg Arg *				240
242				

<210> 1124
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1124
Met Leu Ser Tyr Ala His Ile Thr Leu Ala Val Leu Arg Ile Pro Ser
1 5 10 15
Ala Thr Gly Cys Trp Arg Ala Phe Phe Thr Cys Ala Ser His Leu Thr
20 25 30
Val Val Thr Val Phe Tyr Thr Ala Leu Leu Phe Met Tyr Val Arg Pro
35 40 45
Gln Ala Ile Asp Ser Arg Ser Ser Asn Lys Leu Ile Ser Val Leu Tyr
50 55 60
Thr Val Ile Thr Pro Ser Val
65 70 71

<210> 1125
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1125
Met Pro Thr Leu Gly Asp Ala Leu Ile Leu Tyr Leu His Leu Val Leu
1 5 10 15
Gly Val Ala Gly Val Leu Gln Pro Pro Gly Pro Arg Pro Ser Gln Ala
20 25 30

Leu Gly Pro Thr Gly Asp Arg Ala Pro Gly Lys Trp Asn Arg Ser *

35 40 45 47

<210> 1126
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 1126

Met	Phe	Leu	Ile	Val	Leu	Pro	Leu	Glu	Ser	Met	Ala	His	Gly	Leu	Phe
1				5					10					15	
His	Glu	Leu	Gly	Asn	Cys	Leu	Gly	Gly	Thr	Ser	Val	Gly	Tyr	Ala	Ile
			20					25					30		
Val	Ile	Pro	Thr	Asn	Phe	Cys	Ser	Pro	Asp	Gly	Gln	Pro	Thr	Leu	Leu
			35					40					45		
Pro	Pro	Glu	His	Val	Gln	Glu	Leu	Asn	Leu	Arg	Ser	Thr	Gly	Met	Leu
			50				55					60			
Asn	Ala	Ile	Gln	Arg	Phe	Phe	Ala	Tyr	His	Met	Ile	Glu	Thr	Tyr	Gly
65					70					75					80
Cys	Asp	Tyr	Ser	Thr	Ser	Gly	Leu	Ser	Phe	Asp	Thr	Leu	His	Ser	Lys
				85					90					95	
Leu	Lys	Ala	Phe	Leu	Glu	Leu	Arg	Thr	Val	Asp	Gly	Pro	Arg	His	Asp
			100					105					110		
Thr	Tyr	Ile	Leu	Tyr	Tyr	Ser	Gly	His	Thr	His	Gly	Thr	Gly	Glu	Trp
		115					120					125			
Ala	Leu	Ala	Gly	Gly	Asp	Thr	Leu	Arg	Leu	Asp	Thr	Leu	Ile	Glu	Trp
		130					135				140				
Trp	Arg	Glu	Lys	Asn	Gly	Ser	Phe	Cys	Ser	Pro	Pro	Tyr	Tyr	Arg	
145					150					155				159	

<210> 1127
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1127

Met	Thr	Gly	Pro	Arg	Pro	Met	Ile	Leu	His	Phe	Ile	Leu	Val	Ala	Ser
1				5					10					15	
Ala	Ser	Cys	Trp	Glu	Val	Leu	Phe	Cys	Cys	Trp	Gln	Pro	Cys	Pro	Leu
			20					25					30		
Gly	Ile	His	Ala	Thr	Ser	Asn	Ser	Pro	Ser	Gln	Leu	Gln	Gln	Leu	Ser
			35				40					45			
Cys	Thr	Lys	Leu	Pro	Leu	Met	Phe	Arg	Arg	Ile	Leu	Glu	Asp	Thr	Ile
		50				55					60				
Phe	Ala	Ile	Leu	Tyr	His	Ile	Ala	Thr	Ile	Phe	*				
65					70					75					

<210> 1128
 <211> 140
 <212> PRT
 <213> Homo sapiens

<400> 1128
 Met Gly Ala Gly Leu Ala Val Val Pro Leu Met Gly Leu Leu Glu Ser
 1 5 10 15
 Ile Ala Val Ala Lys Ala Phe Ala Ser Gln Asn Asn Tyr Arg Ile Asp
 20 25 30
 Ala Asn Gln Glu Leu Leu Ala Ile Gly Leu Thr Asn Met Leu Gly Ser
 35 40 45
 Leu Val Ser Ser Tyr Pro Val Thr Gly Ser Phe Gly Arg Thr Ala Val
 50 55 60
 Asn Ala Gln Ser Gly Val Cys Thr Pro Ala Glu Gly Leu Val Thr Glu
 65 70 75 80
 Val Leu Val Leu Leu Ser Leu Asp Tyr Leu Thr Ser Leu Phe Tyr Tyr
 85 90 95
 Ile Pro Lys Ser Ala Leu Ala Ala Val Ile Ile Met Ala Val Ala Pro
 100 105 110
 Leu Phe Asp Thr Lys Ile Phe Arg Thr Leu Trp Arg Val Lys Arg Leu
 115 120 125
 Asp Leu Leu Ser Leu Ser Val Thr Phe Leu Leu Cys
 130 135 140

<210> 1129
 <211> 116
 <212> PRT
 <213> Homo sapiens

<400> 1129
 Met Ala Glu Ala Phe Pro Phe Phe Ser Pro Phe Leu Gly Trp Leu Gly
 1 5 10 15
 Val Phe Leu Thr Gly Ser Asp Thr Ser Ser Asn Ala Leu Phe Ser Ser
 20 25 30
 Leu Gln Ala Thr Thr Ala His Gln Ile Gly Val Ser Asp Val Leu Leu
 35 40 45
 Val Ala Ala Asn Thr Ser Gly Gly Val Thr Gly Lys Met Ile Ser Pro
 50 55 60
 Gln Ser Ile Ala Val Ala Cys Ala Ala Thr Gly Leu Val Gly Lys Glu
 65 70 75 80
 Ser Asp Leu Phe Arg Phe Thr Leu Lys His Ser Leu Phe Phe Ala Thr
 85 90 95
 Ile Val Gly Leu Ile Thr Leu Ala Gln Ala Tyr Trp Phe Thr Gly Met
 100 105 110
 Leu Val His *
 115

<210> 1130
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1130
 Met Asn Lys Leu Leu Val Ala Ala Thr Ala Ile Leu Phe Ser Leu Gly
 1 5 10 15

Cys His Glu Lys Cys Lys Ile Phe Phe Leu Lys Ser Ile Ser Ser Pro
 20 25 30
 Gln Ser Leu Phe Leu Ala Asp Leu Cys Ala Ser Glu Pro Tyr Leu Leu
 35 40 45
 Phe Leu Asn Ala Val Leu Ser Ala Cys Asn Thr Ile Ser Phe Ile Ser
 50 55 60
 Val Pro Glu Ser Ser Gly Phe Ala Pro Ser Pro Pro Ala Ile Leu Leu
 65 70 75 80
 Leu
 81

<210> 1131
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1131
 Met Cys Cys Trp Ile Trp Phe Ala Ser Ile Leu Leu Arg Ile Phe Ala
 1 5 10 15
 Leu Met Phe Ile Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Val Val
 20 25 30
 Ser Leu Pro Gly Phe Gly Ile Arg Met Met Leu Ala Ser *
 35 40 45

<210> 1132
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1132
 Met Ser Gln Glu Pro Gly Arg Arg His Ser Lys Leu Thr Leu Thr Ala
 1 5 10 15
 Ser Arg Met Ala Pro Cys Leu Trp Val Trp Thr Ser Leu Cys Gln Ala
 20 25 30
 Trp Ser Met Ser Met Gly Ser Leu Ser Met Gln Thr Thr *
 35 40 45

<210> 1133
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 1133
 Met His Ser His Gly Val Ser Tyr Trp Thr Val Arg Thr Val Ile Trp
 1 5 10 15
 Pro Ile Ser Ser Leu Val Ser Lys Ile Thr Thr Trp Glu Phe Asn Glu
 20 25 30
 Val Thr Ser Met Ser Glu His Leu Lys Ser Cys Pro Phe Asn Ile Val
 35 40 45
 Glu His Lys Ser Asp Pro Ile Leu Leu Thr Ser Met Cys His Pro Arg

50		55		60											
Glu	Gln	Ala	Arg	Glu	Ser	Leu	Leu	Ser	Thr	Phe	Arg	Ile	Arg	Pro	Arg
65				70						75					80
Gly	Arg	Tyr	Val	Ser	Tyr	*									
				85	86										

<210> 1134
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1134															
Met	Glu	Ala	His	Gln	Ser	Phe	Lys	His	Lys	Ser	Cys	Thr	Trp	Ala	Ile
1				5					10					15	
Thr	Val	Trp	Phe	His	Phe	Val	Cys	Phe	Leu	Asn	Thr	Phe	Ser	Cys	Phe
			20					25					30		
Phe	Asn	Lys	Leu	Ser	Pro	Ile	Leu	Glu	Ser	Leu	Val	Val	Gly	Ser	Ile
		35					40					45			
Ser	Arg	His	Leu	Leu	Arg	Glu	Leu	*							
	50					55	56								

<210> 1135
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1135															
Met	Glu	Ala	His	Gln	Ser	Phe	Lys	His	Lys	Ser	Cys	Thr	Trp	Ala	Ile
1				5					10					15	
Thr	Val	Trp	Phe	His	Phe	Val	Cys	Phe	Leu	Asn	Thr	Phe	Ser	Cys	Phe
			20					25					30		
Phe	Asn	Lys	Leu	Ser	Pro	Ile	Leu	Glu	Ser	Leu	Val	Val	Gly	Ser	Ile
		35					40					45			
Ser	Arg	His	Leu	Leu	Arg	Glu	Leu	*							
	50					55	56								

<210> 1136
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1136															
Met	Pro	Phe	Ala	Gln	Thr	Gly	Leu	Gln	Leu	Leu	Leu	Arg	Leu	Cys	Arg
1				5					10					15	
Val	Leu	His	Val	Leu	Arg	Leu	Leu	Gly	Met	Leu	Arg	Glu	Gln	Met	His
			20					25					30		
Leu	Leu	Arg	Glu	Lys	Leu	Leu	Asp	Leu	Leu	Pro	Pro	Glu	Leu	Cys	Gln
		35				40						45			
Arg	Val	Pro	Arg	Ala	Ala	Thr	Ala	Lys	Gly	His	Lys	Arg	Arg	Ala	Ala
	50					55					60				

Ala Val Pro Asp Asp Gly Thr Asp Leu Leu Pro Gln Gly Met Arg Thr
 65 70 75 80
 Ala Cys Thr Thr Arg Arg Ile Phe Lys Tyr Asn Thr Glu Pro Phe Ala
 85 90 95
 Ala Phe Leu Phe Ile Leu Asn Met *
 100 104

<210> 1137
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1137
 Met Val Gly Phe Tyr Leu Gln Ser Val Leu Tyr Phe Tyr Phe Ser Gln
 1 5 10 15
 Leu Ile Tyr Leu Gly Asp His Ala Lys Ser Val Asn Ile Val Thr Ser
 20 25 30
 Phe Ile Leu Thr Ala Ala Tyr Val Asn Asn Ser Lys Met His His Thr
 35 40 45
 Val Phe Asn *
 50 51

<210> 1138
 <211> 187
 <212> PRT
 <213> Homo sapiens

<400> 1138
 Met Gln Pro Ile Val Ala Lys Ala Leu Val Val Leu Leu Glu Val His
 1 5 10 15
 Pro Leu Gln Asp Gln Ala Glu Ser Gly Arg Leu Gly His Val His Leu
 20 25 30
 Leu Cys Ala Pro Ala Ala Leu Gln His Ala Leu Arg Gly Ile Thr Leu
 35 40 45
 His Asn Gly His His Gln Ala Asp His Leu Pro Asp Leu Met His His
 50 55 60
 Glu Ala Leu Ala Leu His Pro Asp His Arg Lys Leu Gln Ala Leu Pro
 65 70 75 80
 His Lys Gly Phe Leu Ala Val His Leu Gln Asp Val Ala Ala Gly Thr
 85 90 95
 Gly Ile Leu Arg Pro Leu Leu Arg Gly Glu Ile Val Glu Val Val Arg
 100 105 110
 Ala Leu Val Ala Gly Gln Glu Pro Val Asp Leu Leu Gln Arg Leu Gly
 115 120 125
 Ala Gln Ala Val Gly Leu Ile Leu Asn Val Pro Val Leu Val Arg Lys
 130 135 140
 Gly Lys Arg Gly Gln Gln Val Ala Ile Gly Pro Gly Ile Thr Ser Val
 145 150 155 160
 Leu Gly Val Lys Pro Ala Arg Asp Pro Leu Gln Ser Gln Asn Pro Asn
 165 170 175
 Val Arg Gly Lys Val Ala Val Asp Leu Phe *
 180 185 186

<210> 1139
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1139
 Met Trp Gln Lys Ser Leu Leu Ile Leu Ser Phe Arg Val Ser Phe Pro
 1 5 10 15
 Leu Phe Leu Thr Tyr Asn Tyr Lys Leu Leu Ser Ile Arg Arg Thr Arg
 20 25 30
 Pro Leu Ser Ser Phe Phe Ser Lys Leu Leu Gln Ile Ala Val Asn Ser
 35 40 45
 Ile Asn Ser Leu Phe Ser Ala Gly Lys Val Ala Phe Ser Lys His Val
 50 55 60
 Cys Leu Leu Pro Gly Gly Leu Lys Ser Met Ile Tyr Cys Ser Ser Met
 65 70 75 80
 Cys Leu Lys Gln Leu Leu Arg Ser Phe Lys Gln Glu Ser Ser Lys Gly
 85 90 95
 Ser Val Leu Ile Met Val Leu Val Phe Leu Gln Ile *
 100 105 108

<210> 1140
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 1140
 Met Pro Ala Pro Thr Ala Trp Leu Leu Pro Ala Val Ser Thr Cys Ser
 1 5 10 15
 Asn Leu Arg Ala Lys Ala Gly Val Ile Leu Gly Thr Ile Thr Thr Arg
 20 25 30
 Pro Tyr Val His Thr Trp Gly Ser Ala Asp Met Ala Thr Pro Tyr His
 35 40 45
 Leu Gly Pro Phe Trp Thr Leu Gly Thr Asp Lys His Arg Arg Glu Ala
 50 55 60
 Asn Arg Gly Gln Arg Ala Ile Trp Gly Trp Pro Thr Gly Pro Pro Trp
 65 70 75 80
 His Leu *
 82

<210> 1141
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1141
 Met Tyr Gln Trp Gly Ser Ser Ile Ile Leu Ile Leu Trp Pro Leu Ser
 1 5 10 15
 Met Asn Ile Gly Cys Tyr Ser Ile Tyr Leu Lys Met Val Met Leu Leu
 20 25 30

Ser Ser Lys Phe Ser Trp Lys Ser Phe Ser Lys Leu Gln Phe Leu Leu
 35 40 45
 Leu Leu Lys Phe Arg Tyr Met Cys Ile *
 50 55 57

<210> 1142
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1142
 Met Asn Pro His Leu Gly Val Phe Leu Val Leu Val Ser Phe Phe Leu
 1 5 10 15
 Ser Leu Leu Asp Ser Gln Leu His Ser Trp Ile Val Leu His Asn Ser
 20 25 30
 Pro Ser Ser Arg Met Trp Lys Ser Ile Ile Phe Phe Leu *
 35 40 45

<210> 1143
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1143
 Met Leu Trp Ala Leu Ile Arg Ala Ala Leu Ala Gln Leu His Thr Glu
 1 5 10 15
 Glu Pro Lys Lys Arg Lys Glu Glu Lys Met Ser Pro Ala Leu Ser Pro
 20 25 30
 Pro Leu Pro Ser Val Pro Ile Ser Leu Gly Gln Asn Asn Arg Lys Arg
 35 40 45
 Arg Ser His Leu Ser Leu Leu Leu Gln *
 50 55 57

<210> 1144
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 1144
 Met Ala Tyr Thr Met Ile Pro Val Leu His Phe Phe Cys Cys Glu Thr
 1 5 10 15
 Ser Ser Leu Val Arg Thr Lys Val Val Trp Glu Ala Ile Asn Met Val
 20 25 30
 Phe Ala Lys Ser Met Asn Gly Gly Pro Asp Arg Cys Ile Ala Val Arg
 35 40 45
 Gln Val Lys Phe Leu Phe Arg Lys Val Ser Phe Ser Glu Lys Ile Asp
 50 55 60
 His Cys Pro Leu His Asp Gly Asn Ile Leu Leu Pro Gly Pro Trp Glu
 65 70 75 80
 Met Ala Pro Tyr Trp Gly Leu Asn Ile Ser Leu Cys His Leu Gln Phe

				85					90				95				
Arg	His	Ser	Ile	Val	Ser	Leu	Ala	Arg	Cys	Ser	Leu	Gly	Glu	Gly	Gln		
			100						105				110				
Ser	Met	Leu	Trp	Cys	Pro	Cys	Leu	Thr	Ser	Ile	Ser	Val	Asp	Met	Ala		
		115					120					125					
Thr	Leu	Tyr	Ile	Asn	Ala	Ser	Ser	Ser	Leu	Ser	Ser	Lys	Gly	Lys	Lys		
	130					135					140						
Ala	Asp	*															
145	146																

<210> 1145
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1145

Met	Ala	Trp	Ile	Pro	Leu	Phe	Leu	Gly	Val	Leu	Ala	Tyr	Cys	Thr	Gly		
1				5					10					15			
Ser	Val	Ala	Ser	Tyr	Glu	Leu	Thr	Gln	Pro	Pro	Ser	Val	Ser	Val	Ser		
		20						25				30					
Pro	Gly	Lys	Thr	Ala	Ser	Ile	Thr	Cys	Ser	Gly	Asp	Lys	Leu	Gly	Asp		
	35					40					45						
Lys	Tyr	Ala	Ser	Trp	Tyr	Gln	Gln	Lys	Ala	Gly	Gln	Ser	Pro	Val	Leu		
	50				55					60							
Val	Ile	Tyr	Glu	Asp	Ser	Arg	Arg	Pro	Ser	Gly	Ile	His	Lys	Arg	Phe		
65				70					75					80			
Tyr	Gly	Ser	Asn	Ser	Gly	Thr	Thr	Ala	Thr	Leu	Thr	Ile	Ser	Gly	Thr		
			85					90						95			
Gln	Ala	Met	Asp	Glu	Gly	*											
		100		102													

<210> 1146
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1146

Met	Pro	Leu	Leu	His	Gly	Val	Tyr	Leu	Ala	Arg	Arg	Ser	Leu	Ile	Cys		
1				5					10					15			
Ile	Ser	Phe	Cys	His	Leu	Cys	Val	Leu	Ser	Ile	Gly	Leu	Arg	Val	Ile		
		20						25				30					
Val	Cys	Val	Val	Gly	Ile	Ser	Glu	Asp	Arg	Lys	Arg	Ser	Ala	Ser	Ala		
	35					40					45						
Pro	Thr	Leu	Gly	Ile	Val	Pro	Leu	His	Ala	Ser	Leu	His	Gln	His	Cys		
	50				55					60							
Ala	Pro	Asn	Gln	Ser	Asn	Pro	Cys	Ser	Trp	His	Leu	*					
65					70				75	76							

<210> 1147
 <211> 118
 <212> PRT

<213> Homo sapiens

<400> 1147

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Met Asn Pro Ser Ala Ser Leu Val Cys Leu Leu Phe Ala Phe Ser Ser
 1          5          10          15
Cys Arg Ile Trp Ser Val Leu Cys Gln Leu Cys Val Pro Ser Pro Trp
          20          25          30
Pro Ser Pro Leu Cys Leu Cys Pro Gln Thr Asp Val Ala Pro Ile Cys
          35          40          45
Ala Val Gln Pro Ser Leu Phe Cys Leu Gly Ser Arg Glu Pro Leu Trp
          50          55          60
Thr Val Leu Val Gly Ser Cys Pro Leu Arg Ala Phe Thr Asn Leu Ser
          65          70          75          80
Val Arg Pro Pro Pro Gly His His Ser Ile His Leu Leu Thr Trp Leu
          85          90          95
Ala Ser Ser Ser Ala Ala Ala Thr Thr Ala Ala Ser Thr Ala Ser Gly
          100          105          110
Ala Pro His Ser Val *
          115          117

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<210> 1148

<211> 399

<212> PRT

<213> Homo sapiens

<400> 1148

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Met Trp Ala Ala Val Gly Gly Phe Leu Phe Ala Pro Arg Cys Phe Leu
 1          5          10          15
Leu Pro Trp Pro Leu Arg Ala Pro Leu Ser Ser Leu Phe Val Leu Pro
          20          25          30
Arg Leu Leu Leu Trp Pro Ile Pro Tyr Pro Val Leu Ala Ser Val Cys
          35          40          45
Pro Cys Val Pro Gly Gly Arg Phe Phe Gly Pro Leu Tyr Pro Arg Asp
          50          55          60
Leu Arg Leu Leu Arg Cys Val Pro Gly Glu Leu Thr Gly Ala Ala Pro
          65          70          75          80
Arg Thr Leu Pro Gly Cys Asp Leu Asn Cys Leu Gly Leu Gly Arg Glu
          85          90          95
Ala Ala Val Pro Arg Leu Leu Arg Leu Thr Arg Asp Pro Ala Arg Pro
          100          105          110
Ser Cys Arg Thr Leu Gly Val His Ala Val Pro Arg Arg Ala Phe Gly
          115          120          125
Phe Tyr Ala Val Pro Arg Arg Asp Pro Arg Phe Tyr Ala Val Pro Arg
          130          135          140
Arg Val Pro Arg Leu Tyr Ala Val Pro His Pro Ala Leu Arg Val Tyr
          145          150          155          160
Ala Val Pro Arg Arg Thr Phe Arg Val Tyr Ala Val Pro His Pro Ala
          165          170          175
Leu Arg Val Tyr Ala Val Pro Arg Arg Ala Leu Gly Leu Tyr Val Val
          180          185          190
Pro Gln Arg Ala Leu Arg Val Tyr Ala Val Pro Arg Arg Thr Phe Arg
          195          200          205
Val Tyr Ala Val Pro His Pro Ala Leu Arg Leu Tyr Ala Val Ala Arg
          210          215          220
Arg Ala Leu Arg Phe Tyr Val Val Pro Gln Arg Ala Leu Arg Val Tyr

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225          230          235          240
Ala Val Pro Arg Leu Pro Gly Arg Ala Thr Phe Arg Asp Leu Arg Pro
245          250          255
Leu Leu Arg Leu Leu Leu Pro Leu Gly Gly Arg Arg Val Leu Gly Leu
260          265          270
Pro Leu Ser Leu Pro Ala Gly Leu Ala Leu Arg Ala Ala Ser Arg Ala
275          280          285
Arg Pro Leu His Leu Leu Arg Ala Ala Cys Leu Leu Pro Ser Leu Gly
290          295          300
His Leu Gly Thr Leu Arg Gly Ser Leu Leu Gly Leu Ser Leu Ala Val
305          310          315          320
Arg Pro Pro Arg Ala Pro Arg Leu Gly Leu Arg Ala Pro Val Trp Pro
325          330          335
Ala Ala Ser Cys Leu Leu His Ser Gly Gly Ala Pro Arg Arg Leu Leu
340          345          350
Cys Ala Leu Ala Pro Leu Arg Pro Phe Cys Leu Pro Ala Arg Gly Ser
355          360          365
Trp Leu Ser Gly Ser Leu Ser Gln Arg Arg Gly Asp Leu Arg Arg Pro
370          375          380
Leu Gly Thr Arg Gly Asn Pro Leu Arg Leu Arg Gly Leu Gly His
385          390          395          399

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<210> 1149
<211> 67
<212> PRT
<213> Homo sapiens

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<400> 1149
Met Pro Ser Tyr Phe Lys Thr Cys Ser Leu Phe Thr Leu Leu Ser Ser
1          5          10          15
Val Phe Leu Val Cys Ile Trp Ile Phe Lys Thr Asn Ile Lys Ser Ser
20          25          30
Val Ser Glu Ser Pro Pro Asp Ser Gly Leu Gly Gln Val Thr Ala Val
35          40          45
Tyr Gln Val Gln Cys Leu Cys Trp Ala Lys Asp Cys Asn Tyr Pro Ile
50          55          60
Cys Ser *
65 66

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<210> 1150
<211> 70
<212> PRT
<213> Homo sapiens

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<400> 1150
Met Leu Val Ser Lys Leu Met Leu Gln Ile Val Met Ala Val Pro His
1          5          10          15
Tyr Ile Met Pro Val Glu Met Lys Asn Gln Ser Leu Ile Pro Leu Leu
20          25          30
Leu Glu Ala Arg Ala Asp Pro Thr Ile Lys Asn Lys His Gly Glu Ser
35          40          45
Ser Leu Asp Ile Ala Arg Arg Leu Lys Phe Ser Gln Ile Glu Leu Met
50          55          60

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Leu Arg Lys Ala Leu *
65 69

<210> 1151
<211> 48
<212> PRT
<213> Homo sapiens

<400> 1151
Met Gly Ala Gly Cys Thr Pro Val Val Leu Gly Ala Ala Leu Trp Leu
1 5 10 15
Trp Arg Trp Phe Ser Arg Trp Gly Leu Gly Gly Leu Cys Trp Arg Pro
20 25 30
Cys Thr Cys Thr Pro Cys His Ser Ala Ser Pro Gly Ala Gly Arg *
35 40 45 47

<210> 1152
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1152
Met Lys Asp His Leu Glu Phe Pro Phe Leu Asp Leu Leu Asp Leu Thr
1 5 10 15
Asp Ser Leu Gly Leu Leu Gly Phe Gln Gly Leu Leu Ala Leu Leu Ala
20 25 30
Leu Thr Phe Leu Leu Val Met Arg Tyr Val Asn Gln Ala Leu Gln Ala
35 40 45
Pro Gln Asp Leu Gln Val Ile Lys Asp Ser Lys Glu Asn Lys Glu *
50 55 60 63

<210> 1153
<211> 61
<212> PRT
<213> Homo sapiens

<400> 1153
Met Thr Ala Arg Phe Leu Leu Ala Arg Pro Ala Tyr Ser Ser Ala Leu
1 5 10 15
Leu Arg Gly Leu Gly Gly Pro Arg Thr Pro Leu Ile Gln Phe Ser Arg
20 25 30
Cys Gly Met Met Ser Ile Arg Leu Leu Gly Leu Phe Pro Leu Cys Leu
35 40 45
Cys Ser Val Leu Trp Phe Pro Gln Gln His Ser Leu *
50 55 60

<210> 1154
<211> 75

<212> PRT

<213> Homo sapiens

<400> 1154

Met	Asp	Ser	Thr	Phe	Leu	Ala	Thr	Arg	Ala	Val	Arg	Gly	Gln	Leu	Tyr
1				5					10					15	
Leu	Trp	Ile	Ser	Met	Leu	Thr	Ile	Ala	Thr	Gly	Lys	Leu	Cys	Ala	Arg
			20					25					30		
Cys	Tyr	Pro	Glu	Asn	Gln	Asp	His	Ile	Ile	Gln	Met	Leu	Pro	Cys	Ser
		35					40					45			
Pro	Ala	Ser	Val	Ile	Leu	His	Leu	Pro	Trp	Met	Met	Lys	Phe	Phe	Leu
	50					55					60				
Ala	Arg	His	Leu	Ile	Lys	Trp	Leu	Glu	Asn	*					
65					70				74						

<210> 1155

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1155

Met	Met	Ala	Lys	Ser	Val	Arg	Phe	Cys	Tyr	Val	Leu	Phe	Val	Glu	Glu
1				5					10					15	
Ile	Arg	Phe	Ala	Val	Leu	Val	Val	Gln	Arg	Leu	Ala	Lys	Ser	Asp	Leu
			20					25					30		
Trp	Ala	Lys	Ser	Gly	Leu	Leu	Ser	Ile	Phe	Ile	Phe	Ile	Ser	Lys	Val
		35					40					45			
Leu	Leu	Lys	Gln	Thr	His	Leu	Leu	Val	Cys	Arg	Met	Tyr	Ile	Ala	Ala
	50					55					60				
Phe	Ala	Leu	*												
65		67													

<210> 1156

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1156

Met	Ile	Tyr	Phe	Leu	Ser	Thr	Pro	Leu	Leu	Leu	Thr	Leu	Phe	Asn	Ile
1				5					10					15	
Leu	Met	Thr	Phe	Phe	Phe	Val	Ala	Pro	Pro	Leu	Asn	Leu	Leu	Asn	Lys
			20					25					30		
Thr	His	Phe	Cys	Phe	Phe	Ser	Ser	Tyr	Ser	Leu	Lys	Asp	Phe	Arg	Cys
		35					40					45			
Pro	Pro	Pro	Lys	Leu	Lys	Phe	Leu	Leu	His	Pro	*				
	50					55				59					

<210> 1157

<211> 776

<212> PRT

<213> Homo sapiens

<400> 1157

Met	Leu	Phe	Ile	Val	Thr	Ala	Leu	Leu	Cys	Cys	Gly	Leu	Cys	Asn	Gly
1				5					10					15	
Val	Leu	Ile	Glu	Glu	Thr	Glu	Ile	Val	Met	Pro	Thr	Pro	Lys	Pro	Glu
			20					25					30		
Leu	Trp	Ala	Glu	Thr	Asn	Phe	Pro	Leu	Ala	Pro	Trp	Lys	Asn	Leu	Thr
		35					40					45			
Leu	Trp	Cys	Arg	Ser	Pro	Ser	Gly	Ser	Thr	Lys	Glu	Phe	Val	Leu	Leu
	50					55					60				
Lys	Asp	Gly	Thr	Gly	Trp	Ile	Ala	Thr	Arg	Pro	Ala	Ser	Glu	Gln	Val
	65				70				75					80	
Arg	Ala	Ala	Phe	Pro	Leu	Gly	Ala	Leu	Thr	Gln	Ser	His	Thr	Gly	Ser
				85					90					95	
Tyr	His	Cys	His	Ser	Trp	Glu	Glu	Met	Ala	Val	Ser	Glu	Pro	Ser	Glu
			100					105					110		
Ala	Leu	Glu	Leu	Val	Gly	Thr	Asp	Ile	Leu	Pro	Lys	Pro	Val	Ile	Ser
		115					120					125			
Ala	Ser	Pro	Thr	Ile	Arg	Gly	Gln	Glu	Leu	Gln	Leu	Arg	Cys	Lys	Gly
	130					135					140				
Trp	Leu	Ala	Gly	Met	Gly	Phe	Ala	Leu	Tyr	Lys	Glu	Gly	Glu	Gln	Glu
	145				150					155				160	
Pro	Val	Gln	Gln	Leu	Gly	Ala	Val	Gly	Arg	Glu	Ala	Phe	Phe	Thr	Ile
				165				170						175	
Gln	Arg	Met	Glu	Asp	Lys	Asp	Glu	Gly	Asn	Tyr	Ser	Cys	Arg	Thr	His
		180					185						190		
Thr	Glu	Lys	Arg	Pro	Phe	Lys	Trp	Ser	Glu	Pro	Ser	Glu	Pro	Leu	Glu
	195						200					205			
Leu	Val	Ile	Lys	Glu	Met	Tyr	Pro	Lys	Pro	Phe	Phe	Lys	Thr	Trp	Ala
	210					215					220				
Ser	Pro	Val	Val	Thr	Pro	Gly	Ala	Arg	Val	Thr	Phe	Asn	Cys	Ser	Thr
	225				230				235					240	
Pro	His	Gln	His	Met	Ser	Phe	Ile	Leu	Tyr	Lys	Asp	Gly	Ser	Glu	Ile
				245				250						255	
Ala	Ser	Ser	Asp	Arg	Ser	Trp	Ala	Ser	Pro	Gly	Ala	Ser	Ala	Ala	His
		260					265						270		
Phe	Leu	Ile	Ile	Ser	Val	Gly	Ile	Gly	Asp	Gly	Gly	Asn	Tyr	Ser	Cys
		275					280					285			
Arg	Tyr	Tyr	Asp	Phe	Ser	Ile	Trp	Ser	Glu	Pro	Ser	Asp	Pro	Val	Glu
	290					295					300				
Leu	Val	Val	Thr	Glu	Phe	Tyr	Pro	Lys	Pro	Thr	Leu	Leu	Ala	Gln	Pro
	305					310				315				320	
Gly	Pro	Val	Val	Phe	Pro	Gly	Lys	Ser	Val	Ile	Leu	Arg	Cys	Gln	Gly
				325				330						335	
Thr	Phe	Gln	Gly	Met	Arg	Phe	Ala	Leu	Leu	Gln	Glu	Gly	Ala	His	Val
			340					345					350		
Pro	Leu	Gln	Phe	Arg	Ser	Val	Ser	Gly	Asn	Ser	Ala	Asp	Phe	Leu	Leu
		355					360					365			
His	Thr	Val	Gly	Ala	Glu	Asp	Ser	Gly	Asn	Tyr	Ser	Cys	Ile	Tyr	Tyr
	370					375					380				
Glu	Thr	Thr	Met	Ser	Asn	Arg	Gly	Ser	Tyr	Leu	Ser	Met	Pro	Leu	Met
	385				390					395				400	
Ile	Trp	Val	Thr	Asp	Thr	Phe	Pro	Lys	Pro	Trp	Leu	Phe	Ala	Glu	Pro
				405					410					415	
Ser	Ser	Val	Val	Pro	Met	Gly	Gln	Asn	Val	Thr	Leu	Trp	Cys	Arg	Gly
		420						425					430		
Pro	Val	His	Gly	Val	Gly	Tyr	Ile	Leu	His	Lys	Glu	Gly	Glu	Ala	Thr

435	Ser Met Gln Leu Trp Gly	440	Ser Thr Ser Asn Asp	445	Gly Ala Phe Pro Ile
450	Thr Asn Ile Ser Gly Thr	455	Ser Met Gly Arg Tyr	460	Ser Cys Cys Tyr His
465	Pro Asp Trp Thr Ser Ser	470	Ile Lys Ile Gln Pro	475	Ser Asn Thr Leu Glu
	485		490		495
Leu Leu Val Thr Gly Leu	Leu Leu Pro Lys Pro	Ser Leu Leu Ala Gln	Pro		
500		505		510	
Gly Pro Met Val Ala Pro	Gly Glu Asn Met Thr	Leu Gln Cys Gln Gly			
515		520		525	
Glu Leu Pro Asp Ser Thr	Phe Val Leu Leu Lys	Glu Gly Ala Gln Glu			
530		535		540	
Pro Leu Glu Gln Gln Arg	Pro Ser Gly Tyr Arg	Ala Asp Phe Trp Met			
545		550		555	
Pro Ala Val Arg Gly Glu	Asp Ser Gly Ile Tyr	Ser Cys Val Tyr Tyr			
	565		570		575
Leu Asp Ser Thr Pro Phe	Ala Ala Ser Asn His	Ser Asp Ser Leu Glu			
580		585		590	
Ile Trp Val Thr Asp Lys	Pro Pro Lys Pro Ser	Leu Ser Ala Trp Pro			
595		600		605	
Ser Thr Met Phe Lys Leu	Gly Lys Asp Ile Thr	Leu Gln Cys Arg Gly			
610		615		620	
Pro Leu Pro Gly Val Glu	Phe Val Leu Glu His	Asp Gly Glu Glu Ala			
625		630		635	
Pro Gln Gln Phe Ser Glu	Asp Gly Asp Phe Val	Ile Asn Asn Val Glu			
	645		650		655
Gly Lys Gly Ile Gly Asn	Tyr Ser Cys Ser Tyr	Arg Leu Gln Ala Tyr			
660		665		670	
Pro Asp Ile Trp Ser Glu	Pro Ser Asp Pro Leu	Glu Leu Val Gly Ala			
675		680		685	
Ala Gly Pro Val Ala Gln	Glu Cys Thr Val Gly	Asn Ile Val Arg Ser			
690		695		700	
Ser Leu Ile Val Val Val	Val Val Ala Leu Gly	Val Val Leu Ala Ile			
705		710		715	
Glu Trp Lys Lys Trp Pro	Arg Leu Arg Thr Arg	Gly Ser Glu Thr Asp			
	725		730		735
Gly Arg Asp Gln Thr Ile	Ala Leu Glu Glu Cys	Asn Gln Glu Gly Glu			
740		745		750	
Pro Gly Thr Pro Ala Asn	Ser Pro Ser Ser Thr	Ser Gln Arg Ile Ser			
755		760		765	
Val Glu Leu Pro Val Pro	Ile *				
770		775			

<210> 1158

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1158

Met Ile Gln Leu Phe Phe	Val Leu Tyr Gly Ile	Leu Ala Leu Ala Phe
1	5	10
Leu Ser Gly Tyr Tyr	Val Thr Leu Ala Ala	Gln Ile Leu Ala Val Leu
20	25	30
Leu Pro Pro Val Met	Leu Leu Ile Asp	Gly Asn Val Ala Tyr Trp His
35	40	45

Asn Thr Arg Arg Val Glu Phe Trp Asn Gln Met Lys Leu Leu Gly Glu
 50 55 60
 Ser Val Gly Ile Phe Gly Thr Ala Val Ile Leu Ala Thr Asp Gly *
 65 70 75 79

<210> 1159
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 1159
 Met Ser Ser Gly Thr Glu Leu Leu Trp Pro Gly Ala Ala Leu Leu Val
 1 5 10 15
 Leu Leu Gly Val Ala Ala Ser Leu Cys Val Arg Cys Ser Arg Pro Gly
 20 25 30
 Ala Lys Arg Ser Glu Lys Ile Tyr Gln Gln Arg Ser Leu Arg Glu Asp
 35 40 45
 Gln Gln Ser Phe Thr Gly Ser Arg Thr Tyr Ser Leu Val Gly Gln Ala
 50 55 60
 Trp Pro Gly Pro Leu Ala Asp Met Ala Pro Thr Arg Lys Asp Lys Leu
 65 70 75 80
 Leu Gln Phe Tyr Pro Ser Leu Glu Asp Pro Ala Ser Ser Arg Tyr Gln
 85 90 95
 Asn Phe Ser Lys Gly Ser Arg His Gly Ser Glu Glu Ala Tyr Ile Asp
 100 105 110
 Pro Thr Ala Ile Lys Tyr Phe Leu Thr Gln Ala Thr Ala Ser Ile Ile
 115 120 125
 Leu Leu Ile Ala
 130 132

<210> 1160
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 1160
 Met Val Gly Leu Gly Gly Met Ser Gln Leu Leu Leu Ala Ser Leu Leu
 1 5 10 15
 Pro Pro Val Pro Gln Gly Ser Pro Thr Arg Arg Lys Leu Pro Ala Ser
 20 25 30
 Leu Leu Val Ser Thr Ala Leu Ile Ser Pro Val Cys Val Arg Gly Trp
 35 40 45
 Met Trp Gln Asn Leu Gln Asn Arg Ile His Gly Ser His Thr Ser Ala
 50 55 60
 Arg Arg Val Pro Ser Leu Pro Gly Ala Gly Gln Val Gly Val Arg Trp
 65 70 75 80
 Glu Ala Gly Pro Ala Cys Arg Thr Gln Pro Ser Pro Gln Asn Leu Ala
 85 90 95
 Pro Arg Pro His Pro Ser Ala Ala Gln Leu Ile Glu Asn Ala Ala Leu
 100 105 110
 Arg Ser Ala Met Ser Gly Glu Arg Leu Phe Pro Glu Gly Gln Glu His
 115 120 125
 Leu Gly Pro Leu Val Ala Pro Arg Val Pro Met Gly Gly Ala Leu Cys

130 135 140
 Pro Pro Leu Pro Ser Leu Ser Cys Ala Ile Cys Lys Val Gly Ala Ala
 145 150 155 160
 Arg Glu Ala Gly Gly Arg *
 165 166

<210> 1161
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1161
 Met Ala Asn Leu Leu Leu Ile Val Pro Ile Leu Ile Ala Met Ala
 1 5 10 15
 Phe Leu Met Leu Thr Glu Arg Lys Ile Leu Gly Tyr Ile Gln Leu Arg
 20 25 30
 Lys Gly Pro Asn Val Val Gly Pro Tyr Gly Leu Leu Gln Pro Phe Ala
 35 40 45
 Asp Ala Ile Lys Leu Phe Thr Lys Glu Pro Leu Lys Pro Ala Thr Ser
 50 55 60
 Ala Ile Thr Leu Tyr Ile Thr Ala Pro Thr Leu Ala Leu Thr Ile Ala
 65 70 75 80
 Leu Leu Leu *
 83

<210> 1162
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1162
 Met Lys Ala Trp Cys Phe Ser Asn Lys Phe Trp Leu Ala Val Leu Pro
 1 5 10 15
 Ile Cys Cys Ala Ser Ala Ala Tyr Leu Gly Gln Val Trp Leu Leu Ile
 20 25 30
 Tyr Ala Trp Arg Ala Glu Thr Ser Leu Glu Thr Glu Phe Tyr Thr Ile
 35 40 45
 Pro Leu Ser Trp Leu Tyr Tyr Phe Thr Thr Thr Tyr Tyr Leu Met Phe
 50 55 60
 Leu Pro Ser Leu Lys Phe Ala Gln Asp Ser Pro Pro Arg Ala Phe *
 65 70 75 79

<210> 1163
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1163
 Met Tyr Gly Leu Lys Ile Leu Ser His Leu Trp Val Leu Leu Ile Leu
 1 5 10 15

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Ser Leu Leu Leu Phe Leu Arg Lys Ser Phe Lys Phe Tyr Ala Val Ser
      20      25      30
Phe Val Cys Phe Ala Phe Val Ala Phe Trp Asn Asn Leu Gln Lys Ile
      35      40      45
Ile Ala Gln Ala Asn Val Ile Gln Ser Pro Ser Ile Phe Pro Cys Ser
      50      55      60
Ser Ser Thr Phe Lys Leu *
      65      70

```

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<210> 1164
<211> 56
<212> PRT
<213> Homo sapiens

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```

<400> 1164
Met Glu Thr Ala Val Ile Gly Val Val Val Val Leu Phe Val Val Thr
  1      5      10      15
Val Ala Ile Thr Cys Val Leu Cys Cys Phe Ser Cys Asp Ser Arg Ala
      20      25      30
Gln Asp Pro Gln Gly Gly Pro Gly Arg Ser Phe Thr Val Ala Thr Phe
      35      40      45
Arg Gln Glu Ala Ser Leu Phe Thr
      50      55      56

```

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<210> 1165
<211> 97
<212> PRT
<213> Homo sapiens

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<221> misc_feature
<222> (1)...(97)
<223> Xaa = any amino acid or nothing

```

```

<400> 1165
Met Lys Met Leu Cys Gly Leu Leu Arg Thr Val Gln Gly Val Arg Phe
  1      5      10      15
Pro Gln Leu Thr Arg Ile His Gly Pro Ser Thr Gln Gly His Gln Leu
      20      25      30
Leu Leu Leu Trp Val Gly Val Leu Gln Val Gly Xaa Ser Ser Leu Gly
      35      40      45
Leu Gln Asn Asp Leu Met Gly Pro Ser Leu Gly Arg Gly Pro Pro Pro
      50      55      60
Leu Ala Ala Ser Thr Arg Cys Arg His Val Ala Gln Leu Gly Val Gly
      65      70      75      80
Leu Ser Lys Thr Trp Gln Pro Ser Thr His Gly Ile Ala Ser Ala Pro
      85      90      95      96
*

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```

<210> 1166
<211> 48

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<212> PRT
 <213> Homo sapiens

<400> 1166
 Met Leu Ile Phe Val Phe Leu Phe Ser Tyr Leu Ile Ala Leu Ala Gly
 1 5 10 15
 Thr Phe Ser Pro Arg Leu Asn Arg Ser Gly Glu Ser Val His Pro Phe
 20 25 30
 Ala Leu His Pro Val Leu Arg Arg Lys His Pro Val Ile His Leu *
 35 40 45 47

<210> 1167
 <211> 274
 <212> PRT
 <213> Homo sapiens

<400> 1167
 Met Glu Ala Pro Leu Ser His Leu Glu Ser Arg Tyr Leu Pro Ala His
 1 5 10 15
 Phe Ser Pro Leu Val Phe Phe Leu Leu Leu Ser Ile Met Met Ala Cys
 20 25 30
 Cys Leu Val Ala Phe Phe Val Leu Gln Arg Gln Pro Arg Cys Trp Glu
 35 40 45
 Ala Ser Val Glu Asp Leu Leu Asn Asp Gln Val Thr Leu His Ser Ile
 50 55 60
 Arg Pro Arg Glu Glu Asn Asp Leu Gly Pro Ala Gly Thr Val Asp Ser
 65 70 75 80
 Ser Gln Gly Gln Gly Tyr Leu Glu Glu Lys Ala Ala Pro Cys Cys Pro
 85 90 95
 Ala His Leu Ala Phe Ile Tyr Thr Leu Val Ala Phe Val Asn Ala Leu
 100 105 110
 Thr Asn Gly Met Leu Pro Ser Val Gln Thr Tyr Ser Cys Leu Ser Tyr
 115 120 125
 Gly Pro Val Ala Tyr His Leu Ala Ala Thr Leu Ser Ile Val Ala Asn
 130 135 140
 Pro Leu Ala Ser Leu Val Ser Met Phe Leu Pro Asn Arg Ser Leu Leu
 145 150 155 160
 Phe Leu Gly Val Leu Ser Val Leu Gly Thr Cys Phe Gly Gly Tyr Asn
 165 170 175
 Met Ala Met Ala Val Met Ser Pro Cys Pro Leu Leu Gln Gly His Trp
 180 185 190
 Gly Gly Glu Val Leu Ile Val Ser Ile Arg Pro Val Ala Ser Trp Val
 195 200 205
 Leu Phe Ser Gly Cys Leu Ser Tyr Val Lys Val Met Leu Gly Val Val
 210 215 220
 Leu Arg Asp Leu Ser Arg Ser Ala Leu Leu Trp Cys Gly Ala Ala Val
 225 230 235 240
 Gln Leu Gly Ser Leu Leu Gly Ala Leu Leu Met Phe Pro Leu Val Asn
 245 250 255
 Val Leu Arg Leu Phe Ser Ser Ala Asp Phe Cys Asn Leu His Cys Pro
 260 265 270
 Ala *
 273

<210> 1168
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1168
 Met Arg Ile Cys Asn Leu Ile Ser Met Met Leu Leu Leu Cys His Trp
 1 5 10 15
 Asp Gly Cys Leu Gln Phe Leu Val Pro Met Leu Gln Asp Phe Pro Arg
 20 25 30
 Asn Cys Trp Val Ser Ile Asn Gly Met Val Asn His Ser Trp Ser Glu
 35 40 45
 Leu Tyr Ser Phe Ala Leu Phe Lys Ala Met Ser His Met Leu Cys Ile
 50 55 60
 Gly Tyr Gly Arg Gln Ala Pro Glu Ser Met Thr Asp Ile Trp Leu Thr
 65 70 75 80
 Met Leu Ser Met Ile Val Gly Ala Thr Cys Tyr Ala Met Phe Ile Gly
 85 90 95
 His Ala Thr Ala Leu Ile Gln Ser Leu Asp Ser Ser Arg Arg Gln Tyr
 100 105 110
 Gln Glu Lys Tyr Lys Gln Val Glu Gln Tyr Met Ser Phe His Lys Leu
 115 120 125
 Pro Ala Asp Phe Arg Gln Lys Ile His Asp Tyr Tyr Glu His Arg Tyr
 130 135 140
 Gln Gly Lys Met Phe Asp Glu Asp Ser Ile Leu Gly Glu Leu Asn Gly
 145 150 155 160
 Pro Leu Arg Glu Glu Ile Val Asn Phe Asn Cys Arg Lys Leu Val Ala
 165 170 175
 Ser Met Pro Leu Phe Ala Asn Ala Asp Pro Asn Phe Val Thr Ala Met
 180 185 190
 Leu Thr Lys Leu Lys Phe Glu Val Phe Gln Pro Gly Asp Tyr Ile Ile
 195 200 205
 Pro Arg Arg His His Arg Glu Glu Asp Val Leu His Pro Ala Arg Arg
 210 215 220
 Gly Gln Arg Ala His *
 225 229

<210> 1169
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 1169
 Met Ala His Phe Thr Trp Ala His Leu Arg Val Leu Thr Leu Phe Leu
 1 5 10 15
 Leu Gln Val Gly Leu Leu Asp Asp Val His Gln Leu Leu Gly Pro Gln
 20 25 30
 Ala Asp Glu Asp Ser Leu Ser Ile Phe Thr Val Met Pro Ala Leu His
 35 40 45
 Gln Ser Gln Glu Gln Leu Gly Gly Ile Val Leu Glu Leu Gln His Gln
 50 55 60
 Ile His Ala Val Leu Ala Gln Gly Ala Asp Val Ile Glu Asp Gln Cys
 65 70 75 80
 Gly Asp Asp Val Tyr Ala Ile Gly Leu Val Ser His Asn Ala Ser Leu

```

      85      90      95
Val Leu Met Ala Gly Ala Leu Ala Val Leu Ser Glu Gly Leu Gln Gly
      100      105      110
Leu Asp Asp Glu Ala His Val Val Leu Ile Asp Val Glu Pro Gln Gln
      115      120      125
Pro Gln Ala Ala Arg Gly Ala Ala Ala His Asp Val Gln Glu Leu Gln
      130      135      140
Arg Leu Ala Tyr Gln Val Val Val Gly Phe Val Val Leu Thr Ala Gln
      145      150      155      160
Glu Val Leu Gln Val Pro Val Val Val Leu Thr Gln Gln Leu Gln Lys
      165      170      175
Ala Gln Asp Gly Leu His Asp Glu His Gly Cys Ala His Leu Thr Ala
      180      185      190
Leu His Thr Phe Ala His Leu Val Pro Pro Ala Gln Ala Gly Ala Gln
      195      200      205
Arg Val Ala Gly *
      210      212

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<210> 1170
<211> 51
<212> PRT
<213> Homo sapiens

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<400> 1170
Met Tyr Ser Leu Val Leu Thr Phe Leu Val Ser Phe Cys Ala Leu Ser
  1      5      10      15
Lys Thr Phe Leu Asp His Trp Phe Gln Met Phe Ile Tyr Tyr Ile Leu
      20      25      30
Phe Lys Asp Ser Glu Ile Gly Phe Cys His Pro Leu Leu Tyr Val Leu
      35      40      45
Phe His *
      50

```

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<210> 1171
<211> 157
<212> PRT
<213> Homo sapiens

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<400> 1171
Met Leu Val Pro Leu Asn Leu Cys Leu Gln Ser Thr Leu Ala Leu Val
  1      5      10      15
Ser Leu Pro Leu Pro Gly Ile Gly Arg Ala Phe Cys Glu Trp Leu Ser
      20      25      30
Gly Thr Phe Lys Ala Arg Arg Gln Gly Pro Lys Ala Lys Arg Glu Leu
      35      40      45
Trp Asp Val Pro Ser Pro Val Arg Gly Trp Pro Trp Gly Phe Arg Leu
      50      55      60
Arg Gly Val Pro Gly Pro Val Ser Pro Ala Phe Gly Pro Phe Gly Glu
      65      70      75      80
Phe Gly Glu Glu Val Pro Thr Ala Arg Pro Gly Asp Val Arg Gly Ala
      85      90      95
Ala Leu Thr Phe Ile Val Gly Val Ser Ser Glu Val Ser Val Gln Arg
      100      105      110

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Arg Ser Ala Gly Arg Ser His Arg Gly Arg Arg Arg Arg Ala Ser Cys
 115 120 125
 Thr Ala Ala Pro Gly Gly Gly Val Thr Arg Arg Trp Lys Glu Tyr Cys
 130 135 140
 Thr Gln Arg Ile Asn Asn Leu Val Lys Pro Phe Ser *
 145 150 155 156

<210> 1172
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1172
 Met Asn Pro Tyr Ile Ser Ile Ile Val Phe Ile Val Phe Leu Cys Ser
 1 5 10 15
 Glu Asn Tyr Pro Trp Asn Asn Met Leu Arg Ile Thr Gly Ser Ser Pro
 20 25 30
 Tyr Leu His Phe Leu Ser Val Leu Gly Val Leu Val Asn Ser Tyr Val
 35 40 45
 Leu Ile Leu Phe Asn Ser Glu Phe Leu Thr Gln His Phe Arg Glu Arg
 50 55 60
 Ile Gln Ala Gly *
 65 68

<210> 1173
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 1173
 Met Cys Ser Leu Lys Phe Trp Ile Cys Phe Cys Gln Ala Val Ser Met
 1 5 10 15
 His Leu Cys Ala Thr Gln Leu Ser Val Ser Leu Pro Ala Gly Ile Ser
 20 25 30
 Met Phe Val Ser Gly Leu Val Cys Asp Ile Cys Val Trp Ser Gly Ser
 35 40 45
 Gly Met Thr His Pro Tyr Trp Ser Arg Met Arg Val Glu Met Met Val
 50 55 60
 Ala Gly Cys Phe Arg Glu Arg Asp Ala His *
 65 70 74

<210> 1174
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1174
 Met Leu Ser Ser Phe Phe Lys Ser Cys Phe Cys Val Ser Phe Trp Thr
 1 5 10 15
 Leu Ser Ile Ala Thr Ser Ser Asn Leu Leu Ile Phe Ser Ser Ala Ile

20 25 30
 Ser Asn Leu Leu Leu Ile Leu Ser Ser Val Phe Ser Ile Leu Asp Ile
 35 40 45
 Val Val Phe Ile Thr Arg Ser Met Ile Trp Phe Cys Phe His Pro Cys
 50 55 60
 Ile Tyr Ile Thr Cys Pro Val Phe His Ser Ala Ser *
 65 70 75 76

<210> 1175
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1175
 Met Ser Phe Ala Phe Ser Leu Trp Tyr Pro Phe Leu Arg Asp Leu Arg
 1 5 10 15
 Ser Cys Phe Lys Leu Ser Lys Leu Ser Cys His Ser Pro Ile Ser Phe
 20 25 30
 Val Gln Tyr Thr Thr Met Ser Thr Arg Val Ser Cys Leu Asn Leu Leu
 35 40 45
 Tyr Pro His Leu Arg Val Val Ser Ile His Ser
 50 55 59

<210> 1176
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1176
 Met His Leu Leu Cys Ser Gly His Lys Leu Cys Leu Cys Ile Val Tyr
 1 5 10 15
 Ile Ser Phe Phe Leu Phe Phe Lys Val Tyr Gly Phe Cys Phe Leu His
 20 25 30
 Ala Asn Ile Val Asn Tyr Thr Glu Asp Thr Thr Asp Ser Ile Tyr Lys
 35 40 45
 Val Tyr Arg Asn Ile Ile *
 50 54

<210> 1177
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 1177
 Met Leu Ser Met Leu Leu Arg Ala Val Phe Cys Cys Cys Arg Arg Leu
 1 5 10 15
 His Leu Val Ser Ser Ile Leu Phe Cys Cys Ser Arg Asn Arg Thr Leu
 20 25 30
 Ser Met Lys Glu Ala Asn Leu Leu Arg Val Leu Ile Cys Ser Phe
 35 40 45

Ser Trp Val Arg Thr Ala Trp Met Leu Gly Ser Thr Ser Arg Thr Arg
 50 55 60
 Gly Leu Ser Arg Leu Trp Leu Thr Val Thr Ala Val Met Pro Pro Met
 65 70 75 80
 Pro Leu Ala Pro Pro *
 85

<210> 1178
 <211> 189
 <212> PRT
 <213> Homo sapiens

<400> 1178
 Met Met Pro Leu Leu Ser Leu Ile Phe Ser Ala Leu Phe Ile Leu Phe
 1 5 10 15
 Gly Thr Val Ile Val Gln Ala Phe Ser Asp Ser Asn Asp Glu Arg Glu
 20 25 30
 Ser Ser Pro Pro Glu Lys Glu Glu Ala Gln Glu Lys Thr Gly Lys Thr
 35 40 45
 Glu Pro Ser Phe Thr Lys Glu Asn Ser Ser Lys Ile Pro Lys Lys Gly
 50 55 60
 Phe Val Glu Val Thr Glu Leu Thr Asp Val Thr Tyr Thr Ser Asn Leu
 65 70 75 80
 Val Arg Leu Arg Pro Gly His Met Asn Val Val Leu Ile Leu Ser Asn
 85 90 95
 Ser Thr Lys Thr Ser Leu Leu Gln Lys Phe Ala Leu Glu Val Tyr Thr
 100 105 110
 Phe Thr Gly Ser Ser Cys Leu His Phe Ser Phe Leu Ser Leu Asp Lys
 115 120 125
 His Arg Glu Trp Leu Glu Tyr Leu Leu Glu Phe Ala Gln Asp Ala Ala
 130 135 140
 Pro Ile Pro Asn Gln Tyr Asp Lys His Phe Met Glu Arg Asp Tyr Thr
 145 150 155 160
 Gly Tyr Val Leu Ala Leu Asn Gly His Lys Lys Tyr Phe Cys Leu Phe
 165 170 175
 Lys Pro Gln Lys Thr Val Glu Glu Gly Gly Lys Pro *
 180 185 188

<210> 1179
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1179
 Met Ile Cys Lys Tyr Phe Phe Leu Ile Leu Trp Val Val Phe Ser Phe
 1 5 10 15
 Phe Phe Met Phe Leu Asp Ala Gln Lys Phe Ile Ile Leu Met Lys Ser
 20 25 30
 Asn Ser Ser Phe Leu Leu Leu Leu His Met Leu Leu Glu Ser Tyr Leu
 35 40 45
 Arg Asn His Cys Gln Ile *
 50 54

<210> 1180
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1180
 Met Ala Phe Leu Leu Ser Thr Leu Leu Asn His Tyr Leu Ala Cys Lys
 1 5 10 15
 His Ser Ser Glu Leu Trp Leu Gln Ser Ser Leu Asn Asn Leu Gly Lys
 20 25 30
 Lys Lys Asp Lys Ala Tyr Ile Phe Thr Val Leu Ala Leu Lys His Ile
 35 40 45
 Pro Gln Met Pro Leu Arg Ile Tyr Phe Val Leu Gly Gln Ser Trp Trp
 50 55 60
 Leu Met Pro Val Ile Pro Ala Ile Trp Glu Ala Glu Ala Arg Thr Ala
 65 70 75 80
 *

<210> 1181
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1181
 Met Asp Glu Val His Val Leu Gly Leu Ala Leu Leu Thr Val Leu Ile
 1 5 10 15
 Glu Leu Val Ser Pro Leu Asp Ser Leu Arg Arg His Ser Cys Tyr Ile
 20 25 30
 Thr His Thr Phe Ser Cys Asn His Thr Asn Ser His Phe Tyr Ile Leu
 35 40 45
 Ser Ile Ser Cys Thr Asn Trp Gly Leu Lys Val Tyr Lys Ile Phe Leu
 50 55 60
 Ser Cys Glu Phe *
 65 68

<210> 1182
 <211> 430
 <212> PRT
 <213> Homo sapiens

<400> 1182
 Met Ile Thr Lys Thr Pro Ala Gln Leu Arg Ser Val Ala Thr Ile Leu
 1 5 10 15
 Lys Thr Leu Cys Leu Ala Ser Pro Thr Val Ala Asn Val Lys Ala Pro
 20 25 30
 Pro Gln Val Ala Val Ala Ala Gly Thr Pro Asn Thr Ser Gly Ser Ile
 35 40 45
 His Glu Asn Pro Pro Lys Ala Lys Ala Thr Val Asn Val Lys Gln Ala
 50 55 60

Ala	Lys	Val	Val	Lys	Ala	Ser	Ser	Pro	Ser	Tyr	Leu	Ala	Glu	Gly	Lys
65					70					75					80
Ile	Arg	Cys	Leu	Ala	Gln	Pro	His	Pro	Gly	Thr	Gly	Val	Pro	Arg	Ala
				85					90					95	
Ala	Ala	Glu	Leu	Pro	Leu	Glu	Ala	Glu	Lys	Ile	Lys	Thr	Gly	Thr	Gln
			100					105					110		
Lys	Gln	Ala	Lys	Thr	Asp	Met	Ala	Phe	Lys	Thr	Ser	Val	Ala	Val	Glu
	115						120				125				
Met	Ala	Gly	Ala	Pro	Ser	Trp	Thr	Lys	Val	Ala	Glu	Glu	Gly	Asp	Lys
	130					135					140				
Pro	Pro	His	Gly	Pro	Arg	Cys	Pro	Asn	His	Ala	Cys	Gln	Arg	Leu	Gly
145					150					155					160
Gly	Leu	Ser	Ala	Pro	Pro	Trp	Ala	Lys	Pro	Glu	Asp	Arg	Gln	Thr	Gln
			165					170						175	
Pro	Gln	Pro	His	Gly	His	Val	Pro	Gly	Lys	Thr	Thr	Gln	Gly	Gly	Pro
			180					185					190		
Cys	Pro	Ala	Ala	Cys	Glu	Val	Gln	Gly	Met	Leu	Val	Pro	Pro	Met	Ala
	195						200					205			
Pro	Thr	Gly	His	Ser	Thr	Cys	Asn	Val	Glu	Ser	Trp	Gly	Asp	Asn	Gly
	210					215					220				
Ala	Thr	Arg	Ala	Gln	Pro	Ser	Met	Pro	Gly	Gln	Ala	Val	Pro	Cys	Gln
225					230					235					240
Glu	Asp	Thr	Val	Gly	Ser	Leu	Leu	Ala	Ser	Leu	Cys	Ala	Glu	Val	Ala
			245					250						255	
Gly	Val	Leu	Ala	Ser	Gln	Glu	Asp	Leu	Arg	Thr	Leu	Leu	Ala	Lys	Ala
			260					265					270		
Leu	Ser	Gln	Gly	Glu	Val	Trp	Ala	Ala	Leu	Asn	Gln	Ala	Leu	Ser	Lys
	275						280					285			
Glu	Val	Leu	Gly	Ala	Thr	Val	Thr	Lys	Ala	Leu	Pro	Gln	Ser	Met	Leu
	290					295					300				
Ser	Met	Ala	Leu	Val	Lys	Ala	Leu	Ser	Trp	Ser	Glu	Leu	Arg	Leu	Thr
305					310					315					320
Leu	Ser	Arg	Ala	Leu	Ser	Arg	Gly	Glu	Leu	Arg	Ala	Glu	Leu	Thr	Lys
			325					330						335	
Val	Met	Gln	Gly	Lys	Leu	Ala	Glu	Val	Leu	Ser	Lys	Ala	Leu	Thr	Glu
			340					345					350		
Glu	Glu	Trp	Val	Ala	Leu	Ser	Gln	Ala	Leu	Cys	Gln	Gly	Glu	Leu	Gly
		355					360					365			
Ala	Leu	Leu	Ser	Gln	Ser	Trp	Cys	Arg	Val	Ala	Leu	Arg	Thr	Gly	Thr
	370					375					380				
Ile	Leu	Pro	Lys	Ala	Ala	Ser	Lys	Ser	Thr	Gly	Ser	Gly	Val	Thr	Lys
385					390					395					400
Thr	Pro	Ala	Leu	Val	Lys	Val	Ala	Cys	Arg	Arg	Ser	Pro	Ser	Ala	Ala
			405					410						415	
Trp	Gly	Pro	Ser	Leu	Gly	Pro	Val	Arg	Pro	Gln	Thr	Ser	Lys		
			420					425					430		

<210> 1183

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1183

Met	Thr	Phe	Ile	Leu	Ser	Arg	Pro	Pro	Phe	Phe	Phe	Leu	Phe	Ser	Lys
1				5					10					15	
Arg	Ser	Cys	Ser	Gly	Ala	Arg	Trp	Ser	Arg	Trp	Pro	Gln	Phe	Gly	Tyr

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<210> 1184
<211> 56
<212> PRT
<213> Homo sapiens
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```
<210> 1185
<211> 294
<212> PRT
<213> Homo sapiens
```

675

Gly Glu Leu Ala Gly Gln Glu Glu Glu Glu Ala Leu Glu Gly Leu Glu
 210 215 220
 Val Met Asp Val Phe Leu Arg Phe Ser Gly Leu His Leu Phe Arg Ala
 225 230 235 240
 Val Glu Pro Gly Leu Val Gln Lys Phe Ser Leu Arg Asp Cys Ser Pro
 245 250 255
 Arg Leu Ser Glu Glu Leu Tyr His Arg Cys Arg Leu Ser Asn Leu Glu
 260 265 270
 Gly Leu Gly Gly Arg Ala Gln Leu Ala Met Ala Leu Phe Glu Gln Glu
 275 280 285
 Gln Ala Asn Ser Thr *
 290 293

<210> 1186
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1186
 Met Met Tyr Ile Leu Leu Val Phe Leu Thr Leu Trp Leu Leu Ile Glu
 1 5 10 15
 Met Ile His Cys Leu Gln Asn Gly Asp His Arg Arg Thr Arg Pro Pro
 20 25 30
 Thr Glu Thr Gly Trp Leu Pro Leu Arg Phe His Leu Arg Thr Gly Lys
 35 40 45
 Ile Leu Arg Tyr Leu Arg Gly Glu *
 50 55 56

<210> 1187
 <211> 191
 <212> PRT
 <213> Homo sapiens

<400> 1187
 Met Asp Leu Asp Asn Ala Lys Tyr Ser Leu Leu Gly Phe Ala Leu Phe
 1 5 10 15
 Trp Val Val Val Gly Phe Phe Phe Val Cys Leu Phe Trp Phe Leu Val
 20 25 30
 Phe Leu Pro Trp Cys Lys Thr Val Glu Ser Cys Leu Phe Thr Gly Leu
 35 40 45
 Gly Ser Ile Glu Val Cys Val Ser Ser Val Arg Phe Leu Leu Arg Thr
 50 55 60
 Ile Cys Ile Phe Asn Asn Ser Thr Ser Ser Arg Pro Ser Arg Arg Asn
 65 70 75 80
 Glu Arg Gly Leu Val Ser Ser Pro Glu Leu Ala Leu Glu Cys Val His
 85 90 95
 Leu Ala Ala His Gly Leu Val Ala Leu Arg Gly Leu Ile Gln Leu Pro
 100 105 110
 Leu Gln Leu Pro Ala Val Gly Val Asp Ala Leu Gly Leu Leu Cys
 115 120 125
 Leu Leu Gln Leu Pro Leu Glu Leu Leu Asp Pro Gly Ile Ala Phe Leu
 130 135 140
 Cys Leu Leu Leu Val Leu Leu Gly His Leu Ala Leu Val Leu His Leu

145		150		155		160									
Gln	Gln	Asp	Phe	Leu	Gln	Leu	Leu	Val	Phe	Leu	Leu	Gln	Arg	Leu	Gly
		165		170		175									
Gly	Arg	Leu	Phe	Leu	Ser	Gly	Leu	Leu	Leu	Asp	Leu	Leu	Leu	*	
		180		185		190									

<210> 1188
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 1188

Met	Ser	Pro	Pro	Leu	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Leu	Leu	Pro	Leu
1				5				10						15	
Leu	Asn	Val	Glu	Pro	Ala	Gly	Ala	Thr	Leu	Ile	Arg	Ile	Pro	Leu	Arg
		20						25					30		
Gln	Val	His	Pro	Gly	Arg	Arg	Thr	Leu	Asn	Leu	Leu	Arg	Gly	Trp	Gly
		35					40						45		
Lys	Pro	Ala	Glu	Leu	Pro	Lys	Leu	Gly	Ala	Pro	Ser	Pro	Gly	Asp	Lys
	50					55					60				
Pro	Ala	Ser	Val	Pro	Leu	Ser	Lys	Phe	Leu	Asp	Ala	Gln	Tyr	Phe	Gly
65				70						75				80	
Glu	Ile	Gly	Leu	Gly	Thr	Pro	Pro	Gln	Asn	Phe	Thr	Val	Ala	Phe	Asp
			85					90						95	
Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Arg	Arg	Cys	His	Phe	Phe
			100					105					110		
Ser	Val	Pro	Cys	Trp	Phe	His	His	Arg	Phe	Asn	Pro	Asn	Ala	Ser	Ser
		115					120					125			
Ser	Phe	Lys	Pro	Ser	Gly	Thr	Lys	Phe	Ala	Ile	Gln	Tyr	Gly	Thr	Gly
	130					135					140				
Arg	Val	Asp	Gly	Ile	Leu	Ser	Glu	Asp	Lys	Leu	Thr	Ile	Gly	Gly	Ile
145				150						155					160
Lys	Gly	Ala	Ser	Val	Ile	Phe	Gly	Glu	Ala	Leu	Trp	Gly	Ile	Gln	Pro
			165					170						175	
Gly	Ser	Ser	Leu	Phe	Pro	Ala	Pro	Met	Gly	Tyr	Trp	Gly	Leu	Gly	Phe
			180				185						190		
Pro	Ile	Leu	Val	Leu	Trp	Glu	Gly	Ile	Ser	Ala	Pro	Ala	Gly	Cys	Thr
		195				200						205			
Gly	Gly	Ala	Gly	Ala	Ile	Gly	*								
210						215									

<210> 1189
 <211> 176
 <212> PRT
 <213> Homo sapiens

<400> 1189

Met	Ala	Leu	Arg	Gly	Ala	Leu	Gln	Ser	Gln	Ser	Gly	Leu	Leu	Ser	Leu
1				5				10						15	
Leu	Leu	Leu	Gly	Leu	Gly	Asp	Lys	Asp	Pro	Val	Val	Arg	Cys	Ser	Ala
		20					25						30		
Ser	Phe	Ala	Val	Gly	Asn	Ala	Ala	Tyr	Gln	Ala	Gly	Pro	Leu	Gly	Pro
		35				40						45			

```

Ala Leu Ala Ala Ala Val Pro Ser Met Thr Gln Leu Leu Gly Asp Pro
  50                      55                      60
Gln Ala Gly Ile Arg Arg Asn Val Ala Ser Ala Leu Gly Asn Leu Gly
  65                      70                      75                      80
Pro Glu Gly Leu Gly Glu Glu Leu Leu Gln Cys Glu Val Pro Gln Arg
                      85                      90                      95
Leu Leu Glu Met Ala Cys Gly Asp Pro Gln Pro Asn Val Lys Glu Ala
                      100                    105                    110
Ala Leu Ile Ala Leu Arg Ser Leu Gln Gln Glu Pro Gly Ile His Gln
                      115                    120                    125
Val Leu Val Ser Leu Gly Ala Ser Glu Lys Leu Ser Leu Leu Ser Leu
                      130                    135                    140
Gly Asn Gln Ser Leu Pro His Ser Ser Pro Arg Pro Ala Ser Ala Lys
145                      150                    155                    160
His Cys Arg Lys Leu Ile His Leu Leu Arg Pro Ala His Ser Met *
                      165                    170                    175

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<210> 1190
<211> 58
<212> PRT
<213> Homo sapiens

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```

<400> 1190
Met Ala Gly Thr Ala Gln Leu Leu Gly Leu Lys Gln Leu Ile Gly Leu
  1                      5                      10                      15
Glu Leu Leu Thr Ala Gln Cys Gly Gln Ile Thr Gly Tyr Arg Asp Arg
                      20                      25                      30
Arg Glu Glu Leu Leu Pro Pro Arg Phe Leu Ala Thr Gly Pro Pro Ser
                      35                      40                      45
Cys His Pro Pro Ser Gln Thr Val Pro *
  50                      55                      57

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<210> 1191
<211> 88
<212> PRT
<213> Homo sapiens

```

```

<400> 1191
Met Gly Ile Cys Leu Thr Trp Lys Pro Pro Thr Gly Val Ser Val Ile
  1                      5                      10                      15
Leu Ile Leu Leu Ser Glu Leu His Met Lys Ser Pro Gly Arg Leu Lys
                      20                      25                      30
Pro Lys Ser Ser Pro His Phe Ser Thr Val Leu Thr Pro Leu Thr Phe
                      35                      40                      45
Met Tyr Pro Gly Leu Ala Leu Leu His Ser Leu Tyr Trp His Trp Gln
  50                      55                      60
Glu Asn Gly Glu Ile Leu Cys Arg Ala Ala Glu Pro Lys Phe Ala Gln
  65                      70                      75                      80
Glu Ser Lys Cys Thr Ile Tyr *
                      85                      87

```

<210> 1192
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1192
 Met Val Cys Leu Arg Leu Pro Gly Gly Ser Cys Met Ala Val Leu Thr
 1 5 10 15
 Val Thr Leu Met Val Leu Ser Ser Pro Leu Ala Leu Ala Gly Asp Thr
 20 25 30
 Arg Pro Arg Phe Leu Glu Tyr Ser Thr Ser Glu Cys His Phe Phe Asn
 35 40 45
 Gly Thr Glu Arg Val Arg Tyr Leu Asp Arg Tyr Phe His Asn Gln Glu
 50 55 60
 Glu Asn Val Arg Phe Asp Ser Asp Val Gly Glu Phe Arg Ala Val Thr
 65 70 75 80
 Glu Leu Gly Arg Pro Asp Ala Glu Tyr Trp Asn Ser Gln Lys Asp Leu
 85 90 95
 Leu Gly Thr Ala Arg Arg Thr Ser Trp Ser Arg Ser Gly Ala Gly Trp
 100 105 110
 Thr Thr Thr Ala Asp Thr Thr Thr Gly Leu Trp Arg Ala Ser Gln Cys
 115 120 125
 Ser Gly Glu Ser Ile Leu Arg *
 130 135

<210> 1193
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1193
 Met Leu Ala Ser Arg Gln Ala Cys Cys Pro Pro Val Ser Ser Leu Phe
 1 5 10 15
 Leu Pro Leu Ser Pro Thr Leu Ser Gly Phe Phe Thr Val Cys Ser Val
 20 25 30
 Ser His Leu His Val Pro Arg Gly Pro Ala Arg Leu Cys Pro Arg Met
 35 40 45
 Ser His Gly Ser Pro Ser Gly Leu Pro Ala Glu Pro Ser Glu His Gly
 50 55 60
 Cys Leu Leu Val Val Gly Leu Gln Gln Asn Cys Thr Arg Leu Thr Ser
 65 70 75 80
 Pro Ile Leu Ser Ser Arg Gly Leu Arg Val Gln Arg Arg Val Asn Leu
 85 90 95
 Ala Asp *
 98

<210> 1194
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1194

Met Phe Ser Pro Ser Phe Gln Gly Ile Ile Thr Lys Val Arg Cys Val
 1 5 10 15
 Cys Val Ser Leu Ser Leu Cys Val Cys Val Cys Val Cys Val Cys Val
 20 25 30
 Cys Val Tyr Lys Glu Pro Gly Met Arg Ala Gly Arg Gly Gly Ser Arg
 35 40 45
 Leu *
 49

<210> 1195
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1195
 Met Gln Gly Val Arg Val Ser Phe Gly Trp Ala Met Gly Leu Ala Trp
 1 5 10 15
 Gly Ser Cys Ala Leu Glu Ala Phe Ser Gly Thr Leu Leu Leu Ser Ala
 20 25 30
 Ala Trp Thr Leu Ser Leu Ser Pro Pro Ile Cys Gly His Leu Ser Pro
 35 40 45
 Gln Gln Val Gly Gly Arg Gly Gly Asp *
 50 55 57

<210> 1196
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 1196
 Met Leu Pro Asn Ser Ser Ser Leu Trp Leu Val Met Arg Ile Leu Ile
 1 5 10 15
 Phe Cys Val Ile Pro Ala Gly Gly Val Leu Gly Ala Pro Thr Ala Ala
 20 25 30
 Gly Leu Arg Pro Thr Gly Asp Val Ala Leu Arg Arg Pro Ala Gly Ser
 35 40 45
 Val Glu Pro Ser Gly Ser Arg Gly Leu Arg Ala Ser Val Cys Gln Arg
 50 55 60
 Leu Ser Met Phe Leu Ala His Phe Leu Arg Gly His Phe Leu Trp Trp
 65 70 75 80
 Ile Leu Asp Gly Gln Arg Leu Gly Phe Pro Leu Ser Leu Ala Thr Trp
 85 90 95
 Asn Arg Arg Lys Lys Ser Leu Gln His Leu Leu His Lys His Val Leu
 100 105 110
 Pro Val Arg Arg His Ala Gly Pro Cys Arg Gly Pro Gln Thr Thr Ala
 115 120 125
 Arg Gly Pro Arg
 130 132

<210> 1197
 <211> 64

<212> PRT
 <213> Homo sapiens

<400> 1197
 Met Pro Tyr Leu Ile Leu Phe Phe Ala Val Tyr Ile Leu Tyr Lys Ile
 1 5 10 15
 Leu Val Lys Val His Leu Phe Ile Ala Glu Ile Ala Leu Tyr Asp Phe
 20 25 30
 Leu Lys Phe Phe Glu Leu Tyr Gly Ile Cys Met Phe Lys Thr Leu Thr
 35 40 45
 Cys Leu Val Val Thr Thr Leu Ile Phe Ile Asn Leu Leu Ser Leu *
 50 55 60 63

<210> 1198
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1198
 Met Leu Gly Pro Pro Glu Ala Arg Leu Ser Leu Cys Ile Leu Leu Trp
 1 5 10 15
 Ile Ser Ile Leu Cys Pro Trp Tyr Arg Phe Thr Leu Tyr Cys Ser Ser
 20 25 30
 Trp Pro Tyr Pro Ile Phe Asp Ser Gly Tyr Arg Pro Leu Phe Gly Thr
 35 40 45
 Thr Leu Leu Phe *
 50 52

<210> 1199
 <211> 50
 <212> PRT
 <213> Homo sapiens

<221> misc_feature
 <222> (1)...(50)
 <223> Xaa = any amino acid or nothing

<400> 1199
 Met Leu Arg Leu Gly Leu Cys Ala Ala Ala Leu Leu Cys Val Cys Arg
 1 5 10 15
 Pro Gly Ala Val Arg Ala Asp Cys Trp Leu Ile Glu Gly Asp Lys Gly
 20 25 30
 Tyr Val Trp Leu Ala Ile Cys Asn Gln Asn Gln Pro Ala Tyr Glu Thr
 35 40 45
 Xaa Pro
 50

<210> 1200
 <211> 49
 <212> PRT

<213> Homo sapiens

<400> 1200

```

Met Gly Trp Ser Cys Leu Ala Ile Leu Ser Ser Ala Ile Gly His Leu
 1          5          10          15
Ile Cys Leu Trp Pro Phe Ala Met Val Val Ala Leu Phe Pro Tyr Leu
          20          25          30
Gly Tyr Phe Ser Gly Ser Leu Ser Thr Gln Ile Gly Ser Asp Leu Pro
          35          40          45          48
*
```

<210> 1201

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1201

```

Met Trp Ala Gly Tyr Val Ile Tyr Thr Leu Phe Cys Arg Phe Ser Phe
 1          5          10          15
Ser Leu Ile Ser Ile Arg Ile Arg Lys Leu Gly Ser Ile Gly Phe Glu
          20          25          30
Leu Pro Leu Gly Asn Asn Ser Gln Leu Gly Cys Pro Leu *
          35          40          45
```

<210> 1202

<211> 332

<212> PRT

<213> Homo sapiens

<400> 1202

```

Met Pro Leu Pro Trp Ser Leu Ala Leu Pro Leu Leu Leu Ser Trp Val
 1          5          10          15
Ala Gly Gly Phe Gly Asn Ala Ala Ser Ala Arg His His Gly Leu Leu
          20          25          30
Ala Ser Ala Arg Gln Pro Gly Val Cys His Tyr Gly Thr Lys Leu Ala
          35          40          45
Cys Cys Tyr Gly Trp Arg Arg Asn Ser Lys Gly Val Cys Glu Ala Thr
          50          55          60
Cys Glu Pro Gly Cys Lys Phe Gly Glu Cys Val Gly Pro Asn Lys Cys
          65          70          75          80
Arg Cys Phe Pro Gly Tyr Thr Gly Lys Thr Cys Ser Gln Asp Val Asn
          85          90          95
Glu Cys Gly Met Lys Pro Arg Pro Cys Gln His Arg Cys Val Asn Thr
          100          105          110
His Gly Ser Tyr Lys Cys Phe Cys Leu Ser Gly His Met Leu Met Pro
          115          120          125
Asp Ala Thr Cys Val Asn Ser Arg Thr Cys Ala Met Ile Asn Cys Gln
          130          135          140
Tyr Ser Cys Glu Asp Thr Glu Glu Gly Pro Gln Cys Leu Cys Pro Ser
          145          150          155          160
Ser Gly Leu Arg Leu Ala Pro Asn Gly Arg Asp Cys Leu Asp Ile Asp
```

				165					170					175			
Glu	Cys	Ala	Ser	Gly	Lys	Val	Ile	Cys	Pro	Tyr	Asn	Arg	Arg	Cys	Val		
			180					185					190				
Asn	Thr	Phe	Gly	Ser	Tyr	Tyr	Cys	Lys	Cys	His	Ile	Gly	Phe	Glu	Leu		
		195					200					205					
Gln	Tyr	Ile	Ser	Gly	Arg	Tyr	Asp	Cys	Ile	Asp	Ile	Asn	Glu	Cys	Thr		
	210					215					220						
Met	Asp	Ser	His	Thr	Cys	Ser	His	His	Ala	Asn	Cys	Phe	Asn	Thr	Gln		
225					230					235					240		
Gly	Ser	Phe	Lys	Cys	Lys	Cys	Lys	Gln	Gly	Tyr	Lys	Gly	Asn	Gly	Leu		
			245					250					255				
Arg	Cys	Ser	Ala	Ile	Pro	Glu	Asn	Ser	Val	Lys	Glu	Val	Leu	Arg	Ala		
		260					265						270				
Pro	Gly	Thr	Ile	Lys	Asp	Arg	Ile	Lys	Lys	Leu	Leu	Ala	His	Lys	Asn		
	275					280						285					
Ser	Met	Lys	Lys	Lys	Ala	Lys	Ile	Lys	Asn	Val	Thr	Pro	Glu	Pro	Thr		
	290				295					300							
Arg	Thr	Pro	Thr	Pro	Lys	Val	Asn	Leu	Gln	Pro	Phe	Asn	Tyr	Glu	Glu		
305					310				315						320		
Ile	Val	Ser	Arg	Gly	Gly	Asn	Ser	His	Gly	Gly	*						
				325					330	331							

<210> 1203

<211> 825

<212> PRT

<213> Homo sapiens

<400> 1203

Met	Ala	Arg	Leu	Gly	Asn	Cys	Ser	Leu	Thr	Trp	Ala	Ala	Leu	Ile	Ile		
1				5					10					15			
Leu	Leu	Leu	Pro	Gly	Ser	Leu	Glu	Glu	Cys	Gly	His	Ile	Ser	Val	Ser		
			20					25					30				
Ala	Pro	Ile	Val	His	Leu	Gly	Asp	Pro	Ile	Thr	Ala	Ser	Cys	Ile	Ile		
		35				40					45						
Lys	Gln	Asn	Cys	Ser	His	Leu	Asp	Pro	Glu	Pro	Gln	Ile	Leu	Trp	Arg		
	50					55					60						
Leu	Gly	Ala	Glu	Leu	Gln	Pro	Gly	Gly	Arg	Gln	Gln	Arg	Leu	Ser	Asp		
65				70					75					80			
Gly	Thr	Gln	Glu	Ser	Ile	Ile	Thr	Leu	Pro	His	Leu	Asn	His	Thr	Gln		
				85				90						95			
Ala	Phe	Leu	Ser	Cys	Cys	Leu	Asn	Trp	Gly	Asn	Ser	Leu	Gln	Ile	Leu		
		100					105						110				
Asp	Gln	Val	Glu	Leu	Arg	Ala	Gly	Tyr	Pro	Pro	Ala	Ile	Pro	His	Asn		
		115				120						125					
Leu	Ser	Cys	Leu	Met	Asn	Leu	Thr	Thr	Ser	Ser	Leu	Ile	Cys	Gln	Trp		
	130				135						140						
Glu	Pro	Gly	Pro	Glu	Thr	His	Leu	Pro	Thr	Ser	Phe	Thr	Leu	Lys	Ser		
145				150					155					160			
Phe	Lys	Ser	Arg	Gly	Asn	Cys	Gln	Thr	Gln	Gly	Asp	Ser	Ile	Leu	Asp		
			165					170					175				
Cys	Val	Pro	Lys	Asp	Gly	Gln	Ser	His	Cys	Cys	Ile	Pro	Arg	Lys	His		
		180					185					190					
Leu	Leu	Leu	Tyr	Gln	Asn	Met	Gly	Ile	Trp	Val	Gln	Ala	Glu	Asn	Ala		
	195					200					205						
Leu	Gly	Thr	Ser	Met	Ser	Pro	Gln	Leu	Cys	Leu	Asp	Pro	Met	Asp	Val		
210					215						220						

Val	Lys	Leu	Glu	Pro	Pro	Met	Leu	Arg	Thr	Met	Asp	Pro	Ser	Pro	Glu
225					230					235					240
Ala	Ala	Pro	Pro	Gln	Ala	Gly	Cys	Leu	Gln	Leu	Cys	Trp	Glu	Pro	Trp
				245					250					255	
Gln	Pro	Gly	Leu	His	Ile	Asn	Gln	Lys	Cys	Glu	Leu	Arg	His	Lys	Pro
			260					265					270		
Gln	Arg	Gly	Glu	Ala	Ser	Trp	Ala	Leu	Val	Gly	Pro	Leu	Pro	Leu	Glu
		275					280					285			
Ala	Leu	Gln	Tyr	Glu	Leu	Cys	Gly	Leu	Leu	Pro	Ala	Thr	Ala	Tyr	Thr
	290					295					300				
Leu	Gln	Ile	Arg	Cys	Ile	Arg	Trp	Pro	Leu	Pro	Gly	His	Trp	Ser	Asp
305					310					315					320
Trp	Ser	Pro	Ser	Leu	Glu	Leu	Arg	Thr	Thr	Glu	Arg	Ala	Pro	Thr	Val
				325					330					335	
Arg	Leu	Asp	Thr	Trp	Trp	Arg	Gln	Arg	Gln	Leu	Asp	Pro	Arg	Thr	Val
			340					345					350		
Gln	Leu	Phe	Trp	Lys	Pro	Val	Pro	Leu	Glu	Glu	Asp	Ser	Gly	Arg	Ile
		355					360					365			
Gln	Gly	Tyr	Val	Val	Ser	Trp	Arg	Pro	Ser	Gly	Gln	Ala	Gly	Ala	Ile
	370					375					380				
Leu	Pro	Leu	Cys	Asn	Thr	Thr	Glu	Leu	Ser	Cys	Thr	Phe	His	Leu	Pro
385					390					395					400
Ser	Glu	Ala	Gln	Glu	Val	Ala	Leu	Val	Ala	Tyr	Asn	Ser	Ala	Gly	Thr
				405					410					415	
Ser	Arg	Pro	Thr	Pro	Val	Val	Phe	Ser	Glu	Ser	Arg	Gly	Pro	Ala	Leu
			420					425					430		
Thr	Arg	Leu	His	Ala	Met	Ala	Arg	Asp	Pro	His	Ser	Leu	Trp	Val	Gly
		435					440					445			
Trp	Glu	Pro	Pro	Asn	Pro	Trp	Pro	Gln	Gly	Tyr	Val	Ile	Glu	Trp	Gly
	450					455					460				
Leu	Gly	Pro	Pro	Ser	Ala	Ser	Asn	Ser	Asn	Lys	Thr	Trp	Arg	Met	Glu
465					470					475					480
Gln	Asn	Gly	Arg	Ala	Thr	Gly	Phe	Leu	Leu	Lys	Glu	Asn	Ile	Arg	Pro
				485					490					495	
Phe	Gln	Leu	Tyr	Glu	Ile	Ile	Val	Thr	Pro	Leu	Tyr	Gln	Asp	Thr	Met
			500					505					510		
Gly	Pro	Ser	Gln	His	Val	Tyr	Ala	Tyr	Ser	Gln	Glu	Met	Ala	Pro	Ser
		515					520					525			
His	Ala	Pro	Glu	Leu	His	Leu	Lys	His	Ile	Gly	Lys	Thr	Trp	Ala	Gln
	530					535					540				
Leu	Glu	Trp	Val	Pro	Glu	Pro	Pro	Glu	Leu	Gly	Lys	Ser	Pro	Leu	Thr
545					550					555					560
His	Tyr	Thr	Ile	Phe	Trp	Thr	Asn	Ala	Gln	Asn	Gln	Ser	Phe	Ser	Ala
				565					570					575	
Ile	Leu	Asn	Ala	Ser	Ser	Arg	Gly	Phe	Val	Leu	His	Gly	Leu	Glu	Pro
			580					585					590		
Ala	Ser	Leu	Tyr	His	Ile	His	Leu	Met	Ala	Ala	Ser	Gln	Ala	Gly	Ala
		595					600					605			
Thr	Asn	Ser	Thr	Val	Leu	Thr	Leu	Met	Thr	Leu	Thr	Pro	Ala	Pro	Thr
	610					615					620				
Gly	Arg	Ile	Pro	Ser	Gly	Gln	Val	Ser	Gln	Thr	Gln	Leu	Thr	Ala	Ala
625					630					635					640
Trp	Ala	Pro	Gly	Cys	Pro	Gln	Ser	Trp	Arg	Arg	Met	Pro	Ser	Ser	Cys
				645					650					655	
Pro	Ala	Leu	Ala	Arg	His	Pro	Ser	Pro	Ser	Ser	Gln	Cys	Trp	Arg	Arg
			660				665						670		
Met	Lys	Arg	Ser	Arg	Cys	Pro	Gly	Ser	Pro	Ile	Thr	Ala	Gln	Arg	Pro
		675					680					685			
Val	Ala	Ser	Pro	Leu	Trp	Ser	Arg	Pro	Met	Cys	Ser	Arg	Gly	Thr	Gln

690		695		700
Glu Gln Phe Pro Pro Ser	Pro Asn Pro Ser	Leu Ala Pro Ala Ile Arg		
705	710	715	720	
Ser Phe Met Gly Ser Cys Trp	Ala Ala Pro Gln Ala Gln Gly Gln Gly			
	725	730	735	
Thr Ile Ser Ala Val Thr Pro Leu Ser	Pro Ser Trp Arg Ala Ser Pro			
	740	745	750	
Pro Ala Pro Ser Pro Met Arg Thr Ser Gly Ser Arg Pro Ala Pro Trp				
	755	760	765	
Gly Pro Leu Val Thr Pro Ser Pro Lys Ser Gln Glu Asp Asp Cys Val				
	770	775	780	
Phe Gly Pro Leu Leu Asn Phe Pro Pro Ser Cys Arg Gly Ser Gly Ser				
785	790	795	800	
Met Gly Trp Arg Arg Trp Gly Ala Ser Arg Ala Ser Leu Gly Phe Pro				
	805	810	815	
Ser Trp Ala Cys Leu Leu Lys Ala *				
	820	824		

<210> 1204
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1204
Met Leu Leu Phe Ser Ser Arg Phe Ile Met Phe Leu Trp Pro Pro Val
1 5 10 15
Ser Gly Val Cys Leu Ser Phe Ile Arg Asp Arg Ser Phe Leu Pro Met
20 25 30
Cys His Phe Ile Tyr Val Leu Ile Leu Cys Asn Ser Ile Ala Leu *
35 40 45 47

<210> 1205
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1205
Met Gly Ser Phe Ser Phe Ile Leu Val Leu Phe Ile Asp Cys Leu Cys
1 5 10 15
Met Phe Pro Ser Val Leu Val Gln Leu Leu Cys Thr Tyr Ser Ser Leu
20 25 30
Met Lys Thr Pro Leu Trp Leu Gln Ala Arg Ser Ser His *
35 40 45

<210> 1206
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 1206

```

Met Gln Trp Cys Asn Leu Thr Ala Thr Ser Ala Phe Gln Ile Glu Ala
 1          5          10          15
Ile Leu Leu Pro Gln Leu Ser Pro Val Ala Gly Ile Thr Gly Thr Cys
          20          25          30
Tyr His Ala Trp Leu Ile Phe Val Phe Leu Val Glu Thr Gly Phe His
          35          40          45
His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser Gly Asp Pro Pro
          50          55          60
Thr Leu Ala Ser Gln Ser Ala Gly Ile Thr Ser Val Ser His His Ala
 65          70          75          80
Gln Pro Leu Lys Gly Thr Phe *
          85          87

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<210> 1207
<211> 186
<212> PRT
<213> Homo sapiens

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```

<400> 1207
Met Ile Leu Asn Lys Ala Leu Met Leu Gly Ala Leu Ala Leu Thr Thr
 1          5          10          15
Val Met Ser Pro Cys Gly Gly Glu Asp Ile Val Ala Asp His Val Ala
          20          25          30
Ser Tyr Gly Val Asn Leu Tyr Gln Ser Tyr Gly Pro Ser Gly Gln Tyr
          35          40          45
Ser His Glu Phe Asp Gly Asp Glu Glu Phe Tyr Val Asp Leu Glu Arg
          50          55          60
Lys Glu Thr Val Trp Gln Leu Pro Leu Phe Arg Arg Phe Arg Arg Phe
 65          70          75          80
Asp Pro Gln Phe Ala Leu Thr Asn Ile Ala Val Leu Lys His Asn Leu
          85          90          95
Asn Ile Val Ile Lys Arg Ser Asn Ser Thr Ala Ala Thr Asn Glu Val
          100          105          110
Pro Glu Val Thr Val Phe Ser Lys Ser Pro Val Thr Leu Gly Gln Pro
          115          120          125
Asn Thr Leu Ile Cys Leu Val Asp Asn Ile Phe Pro Pro Val Val Asn
          130          135          140
Ile Thr Trp Leu Ser Asn Gly His Ser Val Thr Glu Gly Val Ser Glu
          145          150          155          160
Thr Arg Pro Ser Ser Pro Lys Ser Asp His Phe Leu Leu Gln Asp Gln
          165          170          175
Val Thr Ser Pro Ser Phe Pro Phe Glu *
          180          185

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<210> 1208
<211> 46
<212> PRT
<213> Homo sapiens

```

```

<400> 1208
Met Asn Pro His Leu Gly Val Phe Leu Val Leu Val Ser Phe Phe Leu
 1          5          10          15
Ser Leu Leu Asp Ser Gln Leu His Ser Trp Ile Val Leu His Asn Ser

```

20 25 30
 Pro Ser Ser Arg Met Trp Lys Ser Ile Ile Phe Phe Leu *
 35 40 45

<210> 1209
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 1209
 Met Ala Leu Leu Val Pro Leu Ala Leu Leu Val Ile Gln Ala His Leu
 1 5 10 15
 Val Leu Ser Val Gln Leu Glu Arg Val Val Thr Glu Glu Lys Val Ala
 20 25 30
 Leu Leu Ala Leu Leu Val Leu Pro Val Leu Leu Val Pro Glu Val Leu
 35 40 45
 Leu Val Leu Lys Ala His Val Val Thr Lys Val Lys Gln Val Asn Val
 50 55 60
 Glu Leu Leu Ala Ser Lys Asp Ile Glu Asp Ser Leu Val Ile Gln Val
 65 70 75 80
 Pro Gln Val Leu Gln Ala Leu Leu Val Ser Arg Val Gln Ser Ala Val
 85 90 95
 Gln Asp Leu Gln Ala Pro Glu Asp Leu Leu Asp Pro Val Asp Leu Leu
 100 105 110
 Ala Lys Met Glu Pro Val Asp Ile Gln Val Pro Leu Asp His Gln Gly
 115 120 125
 Leu Glu Val Thr Glu Val Lys Glu Asp Leu Arg Ala Pro Gln Ala Thr
 130 135 140
 Gln Gly Asn Gln Ala Leu Leu Asp Leu Leu Val Pro Leu Val Leu Ala
 145 150 155 160
 Val Val Val Leu Glu Pro Leu Pro Leu Leu Gly Leu Glu Val Lys Lys
 165 170 175
 Leu Ala Val Leu Pro Arg Ile Met Glu Met Asn Gln Trp Ile Ser Lys
 180 185 190
 Ser Thr Pro Met Arg Leu *
 195 198

<210> 1210
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1210
 Met Leu Val Thr Arg Pro Ser Gly Asn Thr Trp Ile Pro Phe Phe Cys
 1 5 10 15
 Trp Leu Leu Phe Cys Val Val Glu Leu Leu Ser Pro Gly Asn Leu Gly
 20 25 30
 Pro Ser Val Leu Glu Val Val Leu Pro Asp Val Phe Lys Leu Asp Leu
 35 40 45
 Leu Ser Ser Leu Leu Asp Val Gly Ser Leu *
 50 55 58

<210> 1211
 <211> 227
 <212> PRT
 <213> Homo sapiens

 <221> misc_feature
 <222> (1)...(227)
 <223> Xaa = any amino acid or nothing

<400> 1211
 Met Ala Ser Ile Cys Ser Trp Arg Val Met Leu Ala Trp Ala Ala Cys
 1 5 10 15
 Trp Val Arg Ala His Ala Ala Leu Ser Gly His Pro Arg Ser Thr Phe
 20 25 30
 Ser Leu Trp Leu Ser Gly Ile Ser Leu Pro Xaa Pro Ile Phe Leu Pro
 35 40 45
 Met Ala Val Ser Leu Leu Thr Pro Lys Asp Val Lys Tyr Ala Arg Ser
 50 55 60
 Pro Asn Cys Phe Lys Ala Ala Leu Asn Ile Pro Asp Pro Gly Ala Val
 65 70 75 80
 His Leu Ile Ile Ala Leu Leu Leu Thr Asp Gly Ala Ile Pro Leu Leu
 85 90 95
 Gln Pro Ala Arg Val Lys Lys Ser Asn Ala His Val Phe Leu His Phe
 100 105 110
 Ala Gly Gly Asp Leu Leu Pro Ser Asn Gly Gly His Lys Ile Leu Ile
 115 120 125
 Trp Ser Arg Gly Trp Arg Gln Gly Leu Gly Gly Phe Gly Ile Ile Ile
 130 135 140
 Leu Ala Asp Asn Asp Leu Val Trp Ser Trp Gly Gln Ser Trp Arg His
 145 150 155 160
 Gly Cys Leu Leu Gly Val Gly Ala Leu Ser Ala Leu Leu Leu His His
 165 170 175
 Leu Asn Pro His Pro Tyr Leu Val Leu Gly Cys Pro Gly Pro Ala Gly
 180 185 190
 Lys Glu Ala Pro Pro Pro Ser Pro Val Cys His Pro Pro His Gln Thr
 195 200 205
 Arg Pro Pro Ser Gln Leu Pro His Ser Pro Gln Thr Phe His Ser Ala
 210 215 220
 Pro Glu *
 225 226

<210> 1212
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 1212
 Met Cys Val Ser Val Arg Val Cys Val Cys Val Cys Val Cys Ala Arg
 1 5 10 15
 Val Cys Ala Arg Leu Cys Val Cys Val His Ala Arg Leu Cys Val His
 20 25 30
 Val Arg Val Ser Ala Arg Val Ser Val Tyr Val Cys Thr Arg Val Ser
 35 40 45
 Val Cys Val His Ala Arg Ala Arg His His Arg Ser Ile *

50

55

60 61

<210> 1213
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1213
 Met Phe Arg Arg Leu Thr Phe Ala Gln Leu Leu Phe Ala Thr Val Leu
 1 5 10 15
 Gly Ile Ala Gly Gly Val Tyr Ile Phe Gln Pro Val Phe Glu Gln Tyr
 20 25 30
 Ala Lys Asp Gln Lys Glu Leu Lys Glu Lys Met Gln Leu Val Gln Glu
 35 40 45
 Ser Glu Glu Lys Lys Ser *
 50 54

<210> 1214
 <211> 642
 <212> PRT
 <213> Homo sapiens

<400> 1214
 Met Thr Met Tyr Leu Trp Leu Lys Leu Leu Ala Phe Gly Phe Ala Phe
 1 5 10 15
 Leu Asp Thr Glu Val Phe Val Thr Gly Gln Ser Pro Thr Pro Ser Pro
 20 25 30
 Thr Asp Ala Tyr Leu Asn Ala Ser Glu Thr Thr Thr Leu Ser Pro Ser
 35 40 45
 Gly Ser Ala Val Ile Ser Thr Thr Thr Ile Ala Thr Thr Pro Ser Lys
 50 55 60
 Pro Thr Cys Asp Glu Lys Tyr Ala Asn Ile Thr Val Asp Tyr Leu Tyr
 65 70 75 80
 Asn Lys Glu Thr Lys Leu Phe Thr Ala Lys Leu Asn Val Asn Glu Asn
 85 90 95
 Val Glu Cys Gly Asn Asn Thr Cys Thr Asn Asn Glu Val His Asn Leu
 100 105 110
 Thr Glu Cys Lys Asn Ala Ser Val Ser Ile Ser His Asn Ser Cys Thr
 115 120 125
 Ala Pro Asp Lys Thr Leu Ile Leu Asp Val Pro Pro Gly Val Glu Lys
 130 135 140
 Phe Gln Leu His Asp Cys Thr Gln Val Glu Lys Ala Asp Thr Thr Ile
 145 150 155 160
 Cys Leu Lys Trp Lys Asn Ile Glu Thr Phe Thr Cys Asp Thr Gln Asn
 165 170 175
 Ile Thr Tyr Arg Phe Gln Cys Gly Asn Met Ile Phe Asp Asn Lys Glu
 180 185 190
 Ile Lys Leu Glu Asn Leu Glu Pro Glu His Glu Tyr Lys Cys Asp Ser
 195 200 205
 Glu Ile Leu Tyr Asn Asn His Lys Phe Thr Asn Ala Ser Lys Ile Ile
 210 215 220
 Lys Thr Asp Phe Gly Ser Pro Gly Glu Pro Gln Ile Ile Phe Cys Arg
 225 230 235 240

Ser Glu Ala Ala His Gln Gly Val Ile Thr Trp Asn Pro Pro Gln Arg
 245 250 255
 Ser Phe His Asn Phe Thr Leu Cys Tyr Ile Lys Glu Thr Glu Lys Asp
 260 265 270
 Cys Leu Asn Leu Asp Lys Asn Leu Ile Lys Tyr Asp Leu Gln Asn Leu
 275 280 285
 Lys Pro Tyr Thr Lys Tyr Val Leu Ser Leu His Ala Tyr Ile Ile Ala
 290 295 300
 Lys Val Gln Arg Asn Gly Ser Ala Ala Met Cys His Phe Thr Thr Lys
 305 310 315 320
 Ser Ala Pro Pro Ser Gln Val Trp Asn Met Thr Val Ser Met Thr Ser
 325 330 335
 Asp Asn Ser Met His Val Lys Cys Arg Pro Pro Arg Asp Arg Asn Gly
 340 345 350
 Pro His Glu Arg Tyr His Leu Glu Val Glu Ala Gly Asn Thr Leu Val
 355 360 365
 Arg Asn Glu Ser His Lys Asn Cys Asp Phe Arg Val Lys Asp Leu Gln
 370 375 380
 Tyr Ser Thr Asp Tyr Thr Phe Lys Ala Tyr Phe His Asn Gly Asp Tyr
 385 390 395 400
 Pro Gly Glu Pro Phe Ile Leu His His Ser Thr Ser Tyr Asn Ser Lys
 405 410 415
 Ala Leu Ile Ala Phe Leu Ala Phe Leu Ile Ile Val Thr Ser Ile Ala
 420 425 430
 Leu Leu Val Val Leu Tyr Lys Ile Tyr Asp Leu His Lys Lys Arg Ser
 435 440 445
 Cys Asn Leu Asp Glu Gln Gln Glu Leu Val Glu Arg Asp Asp Glu Lys
 450 455 460
 Gln Leu Met Asn Val Glu Pro Ile His Ala Asp Ile Leu Leu Glu Thr
 465 470 475 480
 Tyr Lys Arg Lys Ile Ala Asp Glu Gly Arg Leu Phe Leu Ala Glu Phe
 485 490 495
 Gln Ser Ile Pro Arg Val Phe Ser Lys Phe Pro Ile Lys Glu Ala Arg
 500 505 510
 Lys Pro Phe Asn Gln Asn Lys Asn Arg Tyr Val Asp Ile Leu Pro Tyr
 515 520 525
 Asp Tyr Asn Arg Val Glu Leu Ser Glu Ile Asn Gly Asp Ala Gly Ser
 530 535 540
 Asn Tyr Ile Asn Ala Ser Tyr Ile Asp Gly Phe Lys Glu Pro Arg Lys
 545 550 555 560
 Tyr Ile Ala Ala Gln Gly Pro Arg Asp Glu Thr Val Asp Asp Phe Trp
 565 570 575
 Arg Met Ile Trp Glu Gln Lys Ala Thr Val Ile Val Met Val Thr Arg
 580 585 590
 Cys Glu Glu Gly Asn Arg Asn Lys Cys Ala Glu Tyr Trp Pro Ser Met
 595 600 605
 Glu Glu Gly Thr Arg Ala Phe Gly Glu Cys Cys Cys Lys Asp Leu Thr
 610 615 620
 Lys His Lys Arg Cys Pro Arg Leu His His Ser Glu Ile Glu His Cys
 625 630 635 640
 Lys *
 641

<210> 1215
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1215
 Met Leu Phe Leu Thr Leu Ile Ser Phe Cys Gly Phe Leu Leu Leu His
 1 5 10 15
 Arg Leu Thr Ser Met Val Arg Leu Phe Leu Gly Ala Ala Ile Gln Lys
 20 25 30
 Ile Leu Ser Lys Arg Leu Glu Phe Ser Leu Leu Pro Leu Val Ser Phe
 35 40 45
 Ala Gly Ser Val Asn Met Ala Gly Pro Cys Thr Ala Asn Ala Gly Pro
 50 55 60
 His Gly Gly Leu Gly Lys Pro Gly Arg Leu Cys Gly Ser Phe Arg Ser
 65 70 75 80
 Ser Arg Ser Gln *
 84

<210> 1216
 <211> 403
 <212> PRT
 <213> Homo sapiens

<400> 1216
 Met Ala Ser Val Val Leu Pro Ser Gly Ser Gln Cys Ala Ala Ala Ala
 1 5 10 15
 Ala Ala Ala Ala Pro Pro Gly Leu Arg Leu Arg Leu Leu Leu Leu
 20 25 30
 Phe Ser Ala Ala Ala Leu Ile Pro Thr Gly Asp Gly Gln Asn Leu Phe
 35 40 45
 Thr Lys Asp Val Thr Val Ile Glu Gly Glu Val Ala Thr Ile Ser Cys
 50 55 60
 Gln Val Asn Lys Ser Asp Asp Ser Val Ile Gln Leu Leu Asn Pro Asn
 65 70 75 80
 Arg Gln Thr Ile Tyr Phe Arg Asp Phe Arg Pro Leu Lys Asp Ser Arg
 85 90 95
 Phe Gln Leu Leu Asn Phe Ser Ser Ser Glu Leu Lys Val Ser Leu Thr
 100 105 110
 Asn Val Ser Ile Ser Asp Glu Gly Arg Tyr Phe Cys Gln Leu Tyr Thr
 115 120 125
 Asp Pro Pro Gln Glu Ser Tyr Thr Thr Ile Thr Val Leu Val Pro Pro
 130 135 140
 Arg Asn Leu Met Ile Asp Ile Gln Lys Asp Thr Ala Val Glu Gly Glu
 145 150 155 160
 Glu Ile Glu Val Asn Cys Thr Ala Met Ala Ser Lys Pro Ala Thr Thr
 165 170 175
 Ile Arg Trp Phe Lys Gly Asn Thr Glu Leu Lys Gly Lys Ser Glu Val
 180 185 190
 Glu Glu Trp Ser Asp Met Tyr Thr Val Thr Ser Gln Leu Met Leu Lys
 195 200 205
 Val His Lys Glu Asp Asp Gly Val Pro Val Ile Cys Gln Val Glu His
 210 215 220
 Pro Ala Val Thr Gly Asn Leu Gln Thr Gln Arg Tyr Leu Glu Val Gln
 225 230 235 240
 Tyr Lys Pro Gln Val His Ile Gln Met Thr Tyr Pro Leu Gln Gly Leu
 245 250 255
 Thr Arg Glu Gly Asp Ala Leu Glu Leu Thr Cys Glu Ala Ile Gly Lys
 260 265 270

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Pro Gln Pro Val Met Val Thr Trp Val Arg Val Asp Asp Glu Met Pro
      275                280                285
Gln His Ala Val Leu Ser Gly Pro Asn Leu Phe Ile Asn Asn Leu Asn
      290                295                300
Lys Thr Asp Asn Gly Thr Tyr Arg Cys Glu Ala Ser Asn Ile Val Gly
305                310                315                320
Lys Ala His Ser Asp Tyr Met Leu Tyr Val Tyr Asp Pro Pro Thr Thr
      325                330                335
Ile Pro Pro Pro Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
      340                345                350
Thr Ile Leu Thr Ile Ile Thr Asp Ser Arg Ala Gly Glu Glu Gly Ser
      355                360                365
Ile Arg Ala Val Asp His Ala Val Ile Gly Gly Val Val Ala Val Val
370                375                380
Val Phe Ala Met Leu Cys Leu Leu Ile Ile Leu Gly Arg Tyr Phe Ala
385                390                395                400
Gln Thr *
      402

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<210> 1217
<211> 49
<212> PRT
<213> Homo sapiens

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<400> 1217
Met Arg Ala Trp Ala Trp Pro Phe Cys Thr Ser Val Thr Ser Leu Ser
 1                5                10                15
Ala Met Ala Ser Pro Trp Arg Arg Trp Pro Arg Arg Pro Ala Ser Arg
      20                25                30
Thr Ala Ser Arg Ala Pro Ser Ala Gly Ile Ser Gly Ser Thr Ala Pro
      35                40                45                48
*
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<210> 1218
<211> 304
<212> PRT
<213> Homo sapiens

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<400> 1218
Met Ala Arg Arg Ser Arg His Arg Leu Leu Leu Leu Leu Leu Arg Tyr
 1                5                10                15
Leu Val Val Ala Leu Gly Tyr His Lys Ala Tyr Gly Phe Ser Ala Pro
      20                25                30
Lys Asp Gln Gln Val Val Thr Ala Val Glu Tyr Gln Glu Ala Ile Leu
      35                40                45
Ala Cys Lys Thr Pro Lys Lys Thr Val Ser Ser Arg Leu Glu Trp Lys
      50                55                60
Lys Leu Gly Arg Ser Val Ser Phe Val Tyr Tyr Gln Gln Thr Leu Gln
      65                70                75                80
Gly Asp Phe Lys Asn Arg Ala Glu Met Ile Asp Phe Asn Ile Arg Ile
      85                90                95
Lys Asn Val Thr Arg Ser Asp Ala Gly Lys Tyr Arg Cys Glu Val Ser

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Ala	Pro	Ser	Glu	Gln	Gly	Gln	Asn	Leu	Glu	Glu	Asp	Thr	Val	Thr	Leu
			115				120					125			
Glu	Val	Leu	Gly	Asp	Val	His	Val	Leu	Ala	Pro	Ala	Val	Pro	Ser	Cys
			130				135				140				
Glu	Val	Pro	Ser	Ser	Ala	Leu	Ser	Gly	Thr	Val	Val	Glu	Leu	Arg	Cys
145					150					155					160
Gln	Asp	Lys	Glu	Gly	Asn	Pro	Ala	Pro	Glu	Tyr	Thr	Trp	Phe	Lys	Asp
				165					170					175	
Gly	Ile	Arg	Leu	Leu	Glu	Asn	Pro	Arg	Leu	Gly	Ser	Gln	Ser	Thr	Asn
			180					185					190		
Ser	Ser	Tyr	Thr	Met	Asn	Thr	Lys	Thr	Gly	Thr	Leu	Gln	Phe	Asn	Thr
		195					200					205			
Val	Ser	Lys	Leu	Asp	Thr	Gly	Glu	Tyr	Ser	Cys	Glu	Ala	Arg	Asn	Ser
		210				215					220				
Val	Gly	Tyr	Arg	Arg	Cys	Pro	Gly	Lys	Arg	Met	Gln	Val	Asp	Asp	Leu
225					230				235						240
Asn	Ile	Ser	Gly	Ile	Ile	Ala	Ala	Val	Val	Val	Val	Ala	Leu	Val	Ile
				245				250						255	
Ser	Val	Cys	Gly	Leu	Gly	Val	Cys	Tyr	Ala	Gln	Arg	Lys	Gly	Tyr	Phe
			260					265					270		
Ser	Lys	Glu	Thr	Ser	Phe	Gln	Lys	Ser	Asn	Ser	Ser	Ser	Lys	Ala	Thr
		275					280					285			
Thr	Met	Ser	Glu	Asn	Asp	Phe	Lys	His	Thr	Lys	Ser	Phe	Ile	Ile	*
		290				295					300			303	

<210> 1219

<211> 1126

<212> PRT

<213> Homo sapiens

<400> 1219

Met	Trp	Phe	Leu	Phe	Leu	Cys	Pro	Asn	Leu	Trp	Ala	Met	Pro	Val	Gln
1				5					10					15	
Ile	Ile	Met	Gly	Val	Ile	Leu	Leu	Tyr	Asn	Leu	Leu	Gly	Ser	Ser	Ala
			20					25					30		
Leu	Val	Gly	Ala	Ala	Val	Ile	Val	Leu	Leu	Ala	Pro	Ile	Gln	Tyr	Phe
		35					40					45			
Ile	Ala	Thr	Lys	Leu	Ala	Glu	Ala	Gln	Lys	Ser	Thr	Leu	Asp	Tyr	Ser
		50				55					60				
Thr	Glu	Arg	Leu	Lys	Lys	Thr	Asn	Glu	Ile	Leu	Lys	Gly	Ile	Lys	Leu
65					70				75						80
Leu	Lys	Leu	Tyr	Ala	Trp	Glu	His	Ile	Phe	Cys	Lys	Ser	Val	Glu	Glu
			85					90						95	
Thr	Arg	Met	Lys	Glu	Leu	Ser	Ser	Leu	Lys	Thr	Phe	Ala	Leu	Tyr	Thr
		100						105					110		
Ser	Leu	Ser	Ile	Phe	Met	Asn	Ala	Ala	Ile	Pro	Ile	Ala	Ala	Val	Leu
		115					120					125			
Ala	Thr	Phe	Val	Thr	His	Ala	Tyr	Ala	Ser	Gly	Asn	Asn	Leu	Lys	Pro
		130				135					140				
Ala	Glu	Ala	Phe	Ala	Ser	Leu	Ser	Leu	Phe	His	Ile	Leu	Val	Thr	Pro
145					150				155						160
Leu	Phe	Leu	Leu	Ser	Thr	Val	Val	Arg	Phe	Ala	Val	Lys	Ala	Ile	Ile
			165					170						175	
Ser	Val	Gln	Lys	Leu	Asn	Glu	Phe	Leu	Leu	Ser	Asp	Glu	Ile	Gly	Asp
		180						185						190	

Asp	Ser	Trp	Arg	Thr	Gly	Glu	Ser	Ser	Leu	Pro	Phe	Glu	Ser	Cys	Lys
	195						200					205			
Lys	His	Thr	Gly	Val	Gln	Pro	Lys	Thr	Ile	Asn	Arg	Lys	Gln	Pro	Gly
	210					215					220				
Arg	Tyr	His	Leu	Asp	Ser	Tyr	Glu	Gln	Ser	Thr	Arg	Arg	Leu	Arg	Pro
225					230					235					240
Ala	Glu	Thr	Glu	Asp	Ile	Ala	Ile	Lys	Val	Thr	Asn	Gly	Tyr	Phe	Ser
				245					250					255	
Trp	Gly	Ser	Gly	Leu	Ala	Thr	Leu	Ser	Asn	Ile	Asp	Ile	Arg	Ile	Pro
			260					265					270		
Thr	Gly	Gln	Leu	Thr	Met	Ile	Val	Gly	Gln	Val	Gly	Cys	Gly	Lys	Ser
	275					280						285			
Ser	Leu	Leu	Leu	Ala	Ile	Leu	Gly	Glu	Met	Gln	Thr	Leu	Glu	Gly	Lys
	290					295					300				
Val	His	Trp	Ser	Asn	Val	Asn	Glu	Ser	Glu	Pro	Ser	Phe	Glu	Ala	Thr
305					310					315					320
Arg	Ser	Arg	Asn	Arg	Tyr	Ser	Val	Ala	Tyr	Ala	Ala	Gln	Lys	Pro	Trp
				325					330					335	
Leu	Leu	Asn	Ala	Thr	Val	Glu	Glu	Asn	Ile	Thr	Phe	Gly	Ser	Pro	Phe
			340					345					350		
Asn	Lys	Gln	Arg	Tyr	Lys	Ala	Val	Thr	Asp	Ala	Cys	Ser	Leu	Gln	Pro
	355						360					365			
Asp	Ile	Asp	Leu	Leu	Pro	Phe	Gly	Asp	Gln	Thr	Glu	Ile	Gly	Glu	Arg
	370					375					380				
Gly	Ile	Asn	Leu	Ser	Gly	Gly	Gln	Arg	Gln	Arg	Ile	Cys	Val	Ala	Arg
385					390					395					400
Ala	Leu	Tyr	Gln	Asn	Thr	Asn	Ile	Val	Phe	Leu	Asp	Asp	Pro	Phe	Ser
				405					410					415	
Ala	Leu	Asp	Ile	His	Leu	Ser	Asp	His	Leu	Met	Gln	Glu	Gly	Ile	Leu
			420					425					430		
Lys	Phe	Leu	Gln	Asp	Asp	Lys	Arg	Thr	Leu	Val	Leu	Val	Thr	His	Lys
	435						440					445			
Leu	Gln	Tyr	Leu	Thr	His	Ala	Asp	Trp	Ile	Ile	Ala	Met	Lys	Asp	Gly
	450					455					460				
Ser	Val	Leu	Arg	Glu	Gly	Thr	Leu	Lys	Asp	Ile	Gln	Thr	Lys	Asp	Val
465					470					475					480
Glu	Leu	Tyr	Glu	His	Trp	Lys	Thr	Leu	Met	Asn	Arg	Gln	Asp	Gln	Glu
				485					490					495	
Leu	Glu	Lys	Asp	Met	Glu	Ala	Asp	Gln	Thr	Thr	Leu	Glu	Arg	Lys	Thr
			500					505					510		
Leu	Arg	Arg	Ala	Met	Tyr	Ser	Arg	Glu	Ala	Lys	Ala	Gln	Met	Glu	Asp
	515						520					525			
Glu	Asp	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Asp	Asp	Asn	Met	Ser
	530					535					540				
Thr	Val	Met	Arg	Leu	Arg	Thr	Lys	Met	Pro	Trp	Lys	Thr	Cys	Trp	Arg
545					550					555					560
Tyr	Leu	Thr	Ser	Gly	Gly	Phe	Phe	Leu	Leu	Ile	Leu	Met	Ile	Phe	Ser
				565					570					575	
Lys	Leu	Leu	Lys	His	Ser	Val	Ile	Val	Ala	Ile	Asp	Tyr	Trp	Leu	Ala
			580					585					590		
Thr	Trp	Thr	Ser	Glu	Tyr	Ser	Ile	Asn	Asn	Thr	Gly	Lys	Ala	Asp	Gln
	595						600					605			
Thr	Tyr	Tyr	Val	Ala	Gly	Phe	Ser	Ile	Leu	Cys	Gly	Ala	Gly	Ile	Phe
	610					615					620				
Leu	Cys	Leu	Val	Thr	Ser	Leu	Thr	Val	Glu	Trp	Met	Gly	Leu	Thr	Ala
625					630					635					640
Ala	Lys	Asn	Leu	His	His	Asn	Leu	Leu	Asn	Lys	Ile	Ile	Leu	Gly	Pro
				645					650					655	
Ile	Arg	Phe	Phe	Asp	Thr	Thr	Pro	Leu	Gly	Leu	Ile	Leu	Asn	Arg	Phe

	660		665		670										
Ser	Ala	Asp	Thr	Asn	Ile	Ile	Asp	Gln	His	Ile	Pro	Pro	Thr	Leu	Glu
	675						680					685			
Ser	Leu	Thr	Arg	Ser	Thr	Leu	Leu	Cys	Leu	Ser	Ala	Ile	Gly	Met	Ile
	690						695					700			
Ser	Tyr	Ala	Thr	Pro	Val	Phe	Leu	Val	Ala	Leu	Leu	Pro	Leu	Gly	Val
	705				710					715				720	
Ala	Phe	Tyr	Phe	Ile	Gln	Lys	Tyr	Phe	Arg	Val	Ala	Ser	Lys	Asp	Leu
			725					730						735	
Gln	Glu	Leu	Asp	Asp	Ser	Thr	Gln	Leu	Pro	Leu	Leu	Cys	His	Phe	Ser
			740					745					750		
Glu	Thr	Ala	Glu	Gly	Leu	Thr	Thr	Ile	Arg	Ala	Phe	Arg	His	Glu	Thr
	755						760					765			
Arg	Phe	Lys	Gln	Arg	Met	Leu	Glu	Leu	Thr	Asp	Thr	Asn	Asn	Ile	Ala
	770					775					780				
Tyr	Leu	Phe	Leu	Ser	Ala	Ala	Asn	Arg	Trp	Leu	Glu	Val	Arg	Thr	Asp
	785				790					795				800	
Tyr	Leu	Gly	Ala	Cys	Ile	Val	Leu	Thr	Ala	Ser	Ile	Ala	Ser	Ile	Ser
			805						810					815	
Gly	Ser	Ser	Asn	Ser	Gly	Leu	Val	Gly	Leu	Gly	Leu	Leu	Tyr	Ala	Leu
			820					825					830		
Thr	Ile	Thr	Asn	Tyr	Leu	Asn	Trp	Val	Val	Arg	Asn	Leu	Ala	Asp	Leu
	835						840					845			
Glu	Val	Gln	Met	Gly	Ala	Val	Lys	Lys	Val	Asn	Ser	Phe	Leu	Thr	Met
	850					855					860				
Glu	Ser	Glu	Asn	Tyr	Glu	Gly	Thr	Met	Asp	Pro	Ser	Gln	Val	Pro	Glu
	865				870					875				880	
His	Trp	Pro	Gln	Glu	Gly	Glu	Ile	Lys	Ile	His	Asp	Leu	Cys	Val	Arg
			885					890						895	
Tyr	Glu	Asn	Asn	Leu	Lys	Pro	Val	Leu	Lys	His	Val	Lys	Ala	Tyr	Ile
		900						905					910		
Lys	Pro	Gly	Gln	Lys	Val	Gly	Ile	Cys	Gly	Arg	Thr	Gly	Ser	Gly	Lys
	915					920						925			
Ser	Ser	Leu	Ser	Leu	Ala	Phe	Phe	Arg	Met	Val	Asp	Ile	Phe	Asp	Gly
	930					935					940				
Lys	Ile	Val	Ile	Asp	Gly	Ile	Asp	Ile	Ser	Lys	Leu	Pro	Leu	His	Thr
	945				950				955					960	
Leu	Arg	Ser	Arg	Leu	Ser	Ile	Ile	Leu	Gln	Asp	Pro	Ile	Leu	Phe	Ser
			965					970						975	
Gly	Ser	Ile	Arg	Phe	Asn	Leu	Asp	Pro	Glu	Cys	Lys	Cys	Thr	Asp	Asp
		980					985						990		
Arg	Leu	Trp	Glu	Ala	Leu	Glu	Ile	Ala	Gln	Leu	Lys	Asn	Met	Val	Lys
	995					1000						1005			
Ser	Leu	Pro	Gly	Gly	Leu	Asp	Ala	Val	Val	Thr	Glu	Gly	Gly	Glu	Asn
	1010				1015					1020					
Phe	Ser	Val	Gly	Gln	Arg	Gln	Leu	Phe	Cys	Leu	Ala	Arg	Ala	Phe	Val
	1025				1030				1035				1040		
Arg	Lys	Ser	Ser	Ile	Leu	Ile	Met	Asp	Glu	Ala	Thr	Ala	Ser	Ile	Asp
		1045						1050					1055		
Met	Ala	Thr	Glu	Asn	Ile	Leu	Gln	Lys	Val	Val	Met	Thr	Ala	Phe	Ala
	1060						1065				1070				
Asp	Arg	Thr	Val	Val	Thr	Met	Ala	His	Arg	Val	Ser	Ser	Ile	Met	Asp
	1075					1080				1085					
Ala	Gly	Leu	Val	Leu	Val	Phe	Ser	Glu	Gly	Ile	Leu	Val	Glu	Cys	Asp
	1090				1095					1100					
Thr	Val	Pro	Asn	Leu	Phe	Ala	His	Lys	Asn	Gly	Pro	Phe	Ser	Thr	Leu
	1105				1110				1115					1120	
Val	Met	Thr	Asn	Lys	*										
					1125										

<210> 1220
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1220
 Met Ser Ser Val Ser Leu Ile Glu Phe Pro Leu Tyr Met Ile Cys Pro
 1 5 10 15
 Phe Ala Leu Ala Ala Phe Lys Thr Phe Ser Leu Ala Leu Ile Leu Asp
 20 25 30
 Ile Leu Leu Thr Ile Phe Leu Asp Asp Ile His Phe Val *
 35 40 45

<210> 1221
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1221
 Met Leu Ile Leu Leu Leu Glu Phe Gly Ile Thr Ile Ile Lys Val
 1 5 10 15
 Thr Cys Arg Leu Arg Ile Val Leu Cys Tyr Arg Lys Tyr Lys Thr Lys
 20 25 30
 Arg Asn Lys Lys Leu Lys Leu Gly Asn Asn Ser Lys Phe Gln Arg Met
 35 40 45
 Cys Leu Arg Thr Ser Phe His *
 50 55

<210> 1222
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 1222
 Met Gly Cys Ala Ile Ile Ala Gly Phe Leu His Tyr Leu Phe Leu Ala
 1 5 10 15
 Cys Phe Phe Trp Met Leu Val Glu Ala Val Ile Leu Phe Leu Met Val
 20 25 30
 Arg Asn Leu Lys Val Val Asn Tyr Phe Ser Ser Arg Asn Ile Lys Met
 35 40 45
 Leu His Ile Cys Ala Phe Gly Tyr Gly Leu Pro Met Leu Val Val Val
 50 55 60
 Ile Ser Ala Ser Val Gln Pro Gln Gly Tyr Gly Met His Asn Arg Cys
 65 70 75 80
 Trp Leu Asn Thr Glu Thr Gly Phe Ile Trp Ser Phe Leu Gly Pro Val
 85 90 95
 Cys Thr Val Ile Val Ile Asn Ser Leu Leu Thr Trp Thr Leu Trp
 100 105 110
 Ile Leu Arg Gln Arg Leu Ser Ser Val Asn Ala Glu Val Ser Thr Leu

Asp Ser Val Ile Arg Glu Leu Leu Gln Lys Pro Asn Ala Arg Val Val
 260 265 270
 Val Leu Phe Met Arg Ser Asp Asp Ser Arg Glu Leu Ile Ala Ala Ala
 275 280 285
 Ser Arg Ala Asn Ala Ser Phe Thr Trp Val Ala Ser Asp Gly Trp Gly
 290 295 300
 Ala Gln Glu Ser Ile Ile Lys Gly Ser Glu His Val Ala Tyr Gly Ala
 305 310 315 320
 Ile Thr Leu Glu Leu Ala Ser Gln Pro Val Arg Gln Phe Asp Arg Tyr
 325 330 335
 Phe Gln Ser Leu Asn Pro Tyr Asn Asn His Arg Asn Pro Trp Phe Arg
 340 345 350
 Asp Phe Trp Glu Gln Lys Phe Gln Cys Ser Leu Gln Asn Lys Arg Asn
 355 360 365
 His Arg Arg Val Cys Asp Lys His Leu Ala Ile Asp Ser Ser Asn Tyr
 370 375 380
 Glu Gln Glu Ser Lys Ile Met Phe Val Val Asn Ala Val Tyr Ala Met
 385 390 395 400
 Ala His Ala Leu His Lys Met Gln Arg Thr Leu Cys Pro Asn Thr Thr
 405 410 415
 Lys Leu Cys Asp Ala Met Lys Ile Leu Asp Gly Lys Lys Leu Tyr Lys
 420 425 430
 Asp Tyr Leu Leu Lys Ile Asn Phe Thr Ala Pro Phe Asn Pro Asn Lys
 435 440 445
 Asp Ala Asp Ser Ile Val Lys Phe Asp Thr Phe Gly Asp Gly Met Gly
 450 455 460
 Arg Tyr Asn Val Phe Asn Phe Gln Asn Val Gly Gly Lys Tyr Ser Tyr
 465 470 475 480
 Leu Lys Val Gly His Trp Ala Glu Thr Leu Ser Leu Asp Val Asn Ser
 485 490 495
 Ile His Trp Ser Arg Asn Ser Val Pro Thr Ser Gln Cys Ser Asp Pro
 500 505 510
 Cys Ala Pro Asn Glu Met Lys Asn Met Gln Pro Gly Asp Val Cys Cys
 515 520 525
 Trp Ile Cys Ile Pro Cys Glu Pro Tyr Glu Tyr Leu Ala Asp Glu Phe
 530 535 540
 Thr Cys Met Asp Cys Gly Ser Gly Gln Trp Pro Thr Ala Asp Leu Thr
 545 550 555 560
 Gly Cys Tyr Asp Leu Pro Glu Asp Tyr Ile Arg Trp Glu Asp Ala Trp
 565 570 575
 Ala Ile Gly Pro Val Thr Ile Ala Cys Leu Gly Phe Met Cys Thr Cys
 580 585 590
 Met Val Val Thr Val Phe Ile Lys His Asn Asn Thr Pro Leu Val Lys
 595 600 605
 Ala Ser Gly Arg Glu Leu Cys Tyr Ile Leu Leu Phe Gly Val Gly Leu
 610 615 620
 Ser Tyr Cys Met Thr Phe Phe Phe Ile Ala Lys Pro Ser Pro Val Ile
 625 630 635 640
 Cys Ala Leu Arg Arg Leu Gly Leu Gly Ser Ser Phe Ala Ile Cys Tyr
 645 650 655
 Ser Ala Leu Leu Thr Lys Thr Asn Cys Ile Ala Arg Ile Phe Asp Gly
 660 665 670
 Val Lys Asn Gly Ala Gln Arg Pro Lys Phe Ile Ser Pro Ser Ser Gln
 675 680 685
 Val Phe Ile Cys Leu Gly Leu Ile Leu Val Gln Ile Val Met Val Ser
 690 695 700
 Val Trp Leu Ile Leu Glu Ala Pro Gly Thr Arg Arg Tyr Thr Leu Ala
 705 710 715 720
 Glu Lys Arg Glu Thr Val Ile Leu Lys Cys Asn Val Lys Asp Ser Ser

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<210> 1224
<211> 69
<212> PRT
<213> Homo sapiens
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<210> 1225
<211> 55
<212> PRT
<213> Homo sapiens
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<210> 1226

<211> 51
 <212> PRT
 <213> Homo sapiens

<400> 1226
 Met Ile Leu Ser Leu Leu Lys Phe Phe Pro Leu Leu Ser Ser Asp Thr
 1 5 10 15
 Pro Asn Ser Ser Val Pro Leu Leu Thr Thr Pro Arg Asp Pro Pro Tyr
 20 25 30
 His Leu Ser Pro Cys Ser Ser Ser Tyr Phe Val Lys Glu Gly Phe Ser
 35 40 45
 Val Val *
 50

<210> 1227
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1227
 Met Ile Leu Phe Cys Val Met Val Phe Ile Leu Phe Ile Thr Phe His
 1 5 10 15
 Leu Gln Leu Pro Thr Val Gly Asp Val Thr Tyr Cys Phe Cys Ser Asn
 20 25 30
 Lys Leu Arg Lys Thr Arg Glu Leu Lys Lys Ile Ser Ser Asn *
 35 40 45 46

<210> 1228
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 1228
 Met Phe Ser Thr Ala Phe Trp Pro Pro Phe Leu Asn Pro Ser Leu Met
 1 5 10 15
 Phe Phe Thr Leu Leu Cys Ser Asp Phe Met Pro Cys Glu Ala Val Cys
 20 25 30
 Ser Ser Ile Ile Tyr Ser Phe Ile Pro Val Thr Lys Thr Gln Gly Ala
 35 40 45
 Ala Pro His Thr Arg Gly Pro Gln Pro His Thr *
 50 55 59

<210> 1229
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1229
 Met Cys Glu Ser Thr Glu Leu Asn Met Thr Phe His Leu Phe Ile Val

1	5	10	15
Ala Leu Ala Gly	Ala Gly Ala Ala Val	Ile Ala Met Val	His Tyr Leu
20	25	30	
Met Val Leu Ser	Ala Asn Trp Ala Tyr	Val Lys Asp Ala	Cys Arg Met
35	40	45	
Ala Glu Val *			
50	51		

<210> 1230
 <211> 362
 <212> PRT
 <213> Homo sapiens

<400> 1230

Met Pro Val Ile	Trp Ser Ala Leu Ser	Ala Val Leu Leu Leu	Ala Ser
1	5	10	15
Ser Tyr Phe Val	Gly Ala Leu Ile Val	His Ala Asp Cys	Phe Leu Met
20	25	30	
Arg Asn His Thr	Ile Thr Glu Gln Pro	Met Cys Phe Gln	Arg Thr Thr
35	40	45	
Pro Leu Ile Leu	Gln Glu Val Ala Ser	Phe Leu Lys Arg	Asn Lys His
50	55	60	
Gly Pro Phe Leu	Leu Phe Val Ser	Phe Leu His Val	His Ile Pro Leu
65	70	75	80
Ile Thr Met Glu	Asn Phe Leu Gly	Lys Ser Leu His	Gly Leu Tyr Gly
85	90	95	
Asp Asn Val Lys	Glu Met Asp Trp Met	Val Gly Arg Ile	Leu Asp Thr
100	105	110	
Leu Asp Val Glu	Gly Leu Ser Asn Ser	Thr Leu Ile Tyr	Phe Thr Ser
115	120	125	
Asp His Gly Gly	Ser Leu Glu Asn Gln	Leu Gly Asn Thr	Gln Tyr Gly
130	135	140	
Gly Trp Asn Gly	Ile Tyr Lys Gly Gly	Lys Gly Met Gly	Gly Trp Glu
145	150	155	160
Gly Gly Ile Arg	Val Pro Gly Ile	Phe Arg Trp Pro	Gly Val Leu Pro
165	170	175	
Ala Gly Arg Val	Ile Gly Glu Pro Thr	Ser Leu Met Asp	Val Phe Pro
180	185	190	
Thr Val Val Arg	Leu Ala Gly Ser	Glu Val Pro Gln	Asp Arg Val Ile
195	200	205	
Asp Gly Gln Asp	Leu Leu Pro Leu Leu	Gly Thr Ala Gln	His Ser
210	215	220	
Asp His Glu Phe	Leu Met His Tyr Cys	Glu Arg Phe Leu	His Ala Ala
225	230	235	240
Arg Trp His Gln	Arg Asp Arg Gly Thr	Met Trp Lys Val	His Phe Val
245	250	255	
Thr Pro Val Phe	Gln Pro Arg Gly Ser	Arg Cys Leu Leu	Trp Lys Glu
260	265	270	
Lys Val Cys Pro	Cys Phe Gly Glu Lys	Ser Ser Pro Pro	Arg Ser His
275	280	285	
Pro Cys Phe Phe	Asp Leu Ser Arg Ala	Pro Ser Glu Thr	His Ile Leu
290	295	300	
Thr Pro Ala Ser	Glu Pro Val Phe Tyr	Gln Val Met Glu	Arg Ser Pro
305	310	315	320
Ala Gly Gly Val	Gly Thr Pro Ala Asp	Thr Gln Pro Ser	Ser Ser Ala
325	330	335	

Ala Gly Gln Ala Gly Gln Tyr Leu Glu Thr Gly Gly Ala Ala Leu Leu
 340 345 350
 Trp Ala Val Pro Pro Leu Val Gly Pro *
 355 360 361

<210> 1231
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1231
 Met Leu Arg Leu Gly Val Ala Phe His Met Glu Leu Leu Cys Arg Gly
 1 5 10 15
 Arg Leu Leu Leu Leu Ile Pro Thr Ala Glu Thr Arg Cys Asp His Arg
 20 25 30
 Arg Leu Gln Asn Leu Lys Leu Gly Leu Ser Asn Thr Leu Asp Lys His
 35 40 45
 Gln Glu Pro His *
 50 52

<210> 1232
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1232
 Met Leu Asn Phe Ile Ser Pro Phe Gly Ser Thr Ile Leu Leu Leu Ile
 1 5 10 15
 Pro Ser Ala Leu Pro Pro Ser Pro Pro Ser Arg Cys Ser Leu Leu Ser
 20 25 30
 Pro Pro Pro Thr Thr Pro Leu Pro Leu Pro Leu Pro Ser Pro Phe Ser
 35 40 45
 Ser Pro Leu Leu Ser Phe Phe *
 50 55

<210> 1233
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1233
 Met Gln Leu His Val Ser Leu Pro Trp Leu Leu Arg Phe Pro Gly Leu
 1 5 10 15
 Asp Cys Thr Leu His Pro Asp Gln Pro Ser Ile Gln Leu Leu Gln Gly
 20 25 30
 Thr Ile Asp Leu Leu Asp Ser Val Ile Leu Ser Cys Ser Leu Cys Leu
 35 40 45
 Phe Gly Val Leu Gln Met His Ile
 50 55 56

<210> 1234
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1234
 Met Leu Ser Gln Leu Pro Arg Cys Gln Ser Ser Val Pro Ala Leu Ala
 1 5 10 15
 His Pro Thr Arg Leu His Tyr Leu Leu Arg Leu Leu Thr Phe Leu Leu
 20 25 30
 Gly Pro Gly Ala Gly Gly Ala Glu Ala Gln Gly Met Leu Gly Arg Ala
 35 40 45
 Leu Leu Leu Ser Ser Leu Pro Asp Asn Cys Ser Phe Trp Asp Ala Phe
 50 55 60
 Arg Pro Glu Gly Arg Arg Ser Val Leu Arg Thr Ile Gly Glu Tyr Leu
 65 70 75 80
 Glu Gln Asp Glu Glu Gln Pro Thr Pro Ser Gly Phe Glu Pro Thr Val
 85 90 95
 Asn Pro Ser Ser Gly Ile Ser Lys Met Glu Leu Leu Ala Cys Phe Ser
 100 105 110
 Val Ser Ala Leu Pro Glu Gly Lys Leu Leu Glu Gln *
 115 120 124

<210> 1235
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1235
 Met Phe Cys Phe Leu His Val Phe Leu Val Ser Leu Pro Phe Leu Thr
 1 5 10 15
 Ser Tyr Ser Cys Leu Gln Ile Ile Ser Tyr Ser Ser Phe Lys Ala Trp
 20 25 30
 Phe Lys Tyr Pro Phe Leu Cys Lys Ile Phe Pro Thr Leu Pro Asn Asn
 35 40 45
 Asp Ser Leu Gln Gln Thr Pro Leu Val His Gly Val Cys Leu Gln Gln
 50 55 60
 Gly Val His His Arg Leu Ile *
 65 70 71

<210> 1236
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1236
 Met Ala Pro Gly Gly Ala Lys Gly Gln Gly Ala Ser Ala Leu Ala Leu
 1 5 10 15
 Leu Phe Ile Leu Ala Ser Pro Ala Thr Gly Gly Gly Pro Arg Leu Trp
 20 25 30

Arg Ala Gly Gly Leu Gly Phe Thr His Cys Gln Ala Asn Ser Thr Thr
 35 40 45 48

<210> 1237
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 1237
 Met Ala Phe Leu Arg Lys Val Tyr Ser Ile Leu Ser Leu Gln Val Leu
 1 5 10 15
 Leu Thr Thr Val Thr Ser Thr Val Phe Leu Tyr Phe Glu Ser Val Arg
 20 25 30
 Thr Phe Val His Glu Ser Pro Ala Leu Ile Leu Leu Phe Ala Leu Gly
 35 40 45
 Ser Leu Gly Leu Ile Phe Ala Leu Ile Leu Asn Arg His Lys Tyr Pro
 50 55 60
 Leu Asn Leu Tyr Leu Leu Phe Gly Phe Thr Leu Leu Glu Ala Leu Thr
 65 70 75 80
 Val Ala Val Val Val Thr Phe Tyr Asp Val Tyr Ile Ile Leu Gln Ala
 85 90 95
 Phe Ile Leu Thr Thr Thr Val Phe Phe Gly Leu Thr Val Tyr Thr Leu
 100 105 110
 Gln Ser Lys Lys Asp Phe Ser Lys Phe Gly Ala Gly Leu Phe Ala Leu
 115 120 125
 Leu Trp Ile Leu Cys Leu Ser Gly Phe Leu Lys Phe Phe Phe Tyr Ser
 130 135 140
 Glu Ile Met Glu Leu Val Leu Ala Ala Ala Gly Ala Leu Leu Phe Cys
 145 150 155 160
 Gly Phe Ile Ile Tyr Asp Thr His Ser Leu Met His Lys Leu Ser Pro
 165 170 175
 Glu Glu Tyr Val Leu Ala Ala Ile Ser Leu Tyr Leu Asp Ile Ile Asn
 180 185 190
 Leu Phe Leu His Leu Leu Arg Phe Leu Glu Ala Val Asn Lys Lys *
 195 200 205 207

<210> 1238
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 1238
 Met Lys Val Val Pro Ser Leu Leu Leu Ser Val Leu Leu Ala Gln Val
 1 5 10 15
 Trp Leu Val Pro Gly Leu Ala Pro Ser Pro Gln Ser Pro Glu Thr Pro
 20 25 30
 Ala Pro Gln Asn Gln Thr Ser Arg Val Val Gln Ala Pro Lys Glu Glu
 35 40 45
 Glu Glu Asp Glu Gln Glu Ala Ser Glu Glu Lys Ala Ser Glu Glu Glu
 50 55 60
 Lys Ala Trp Leu Met Ala Ser Arg Gln Gln Leu Ala Lys Glu Thr Ser

65					70					75				80
Asn	Phe	Gly	Phe	Ser	Leu	Leu	Arg	Lys	Ile	Ser	Met	Arg	His	Asp Gly
				85					90					95
Asn	Met	Val	Phe	Ser	Pro	Phe	Gly	Met	Ser	Leu	Ala	Met	Thr	Gly Leu
			100					105					110	
Met	Leu	Gly	Ala	Thr	Gly	Pro	Thr	Glu	Thr	Gln	Ile	Lys	Arg	Gly Leu
		115					120					125		
His	Leu	Gln	Ala	Leu	Lys	Pro	Thr	Lys	Pro	Gly	Leu	Leu	Pro	Ser Leu
	130					135					140			
Phe	Lys	Gly	Leu	Arg	Glu	Thr	Leu	Ser	Arg	Asn	Leu	Glu	Leu	Gly Leu
145					150					155				160
Thr	Ala	Gly	Glu	Phe	Cys	Leu	His	Pro	Gln	Gly	Phe	*		
				165					170		172			

<210> 1239

<211> 357

<212> PRT

<213> Homo sapiens

<400> 1239														
Met	Ala	Phe	Leu	Gly	Leu	Phe	Ser	Leu	Leu	Val	Leu	Gln	Ser	Met Ala
1				5					10					15
Thr	Gly	Ala	Thr	Phe	Pro	Glu	Glu	Ala	Ile	Ala	Asp	Leu	Ser	Val Asn
			20					25					30	
Met	Tyr	Asn	Arg	Leu	Arg	Ala	Thr	Gly	Glu	Asp	Glu	Asn	Ile	Leu Phe
		35					40					45		
Ser	Pro	Leu	Ser	Ile	Ala	Leu	Ala	Met	Gly	Met	Met	Glu	Leu	Gly Ala
	50					55					60			
Gln	Gly	Ser	Thr	Gln	Lys	Glu	Ile	Arg	His	Ser	Met	Gly	Tyr	Asp Ser
65					70					75				80
Leu	Lys	Asn	Gly	Glu	Glu	Phe	Ser	Phe	Leu	Lys	Glu	Phe	Ser	Asn Met
				85					90					95
Val	Thr	Ala	Lys	Glu	Ser	Gln	Tyr	Val	Met	Lys	Ile	Ala	Asn	Ser Leu
			100					105					110	
Phe	Val	Gln	Asn	Gly	Phe	His	Val	Asn	Glu	Glu	Phe	Leu	Gln	Met Met
	115						120					125		
Lys	Lys	Tyr	Phe	Asn	Ala	Ala	Val	Asn	His	Val	Asp	Phe	Ser	Gln Asn
	130					135					140			
Val	Ala	Val	Ala	Asn	Tyr	Ile	Asn	Lys	Trp	Val	Glu	Asn	Asn	Thr Asn
145					150					155				160
Asn	Leu	Val	Lys	Asp	Leu	Val	Ser	Pro	Arg	Asp	Phe	Asp	Ala	Ala Thr
				165					170					175
Tyr	Leu	Ala	Leu	Ile	Asn	Ala	Val	Tyr	Phe	Lys	Gly	Asn	Trp	Lys Ser
			180					185					190	
Gln	Phe	Arg	Pro	Glu	Asn	Thr	Arg	Thr	Phe	Ser	Phe	Thr	Lys	Asp Asp
		195					200					205		
Glu	Ser	Glu	Val	Gln	Ile	Pro	Met	Met	Tyr	Gln	Gln	Gly	Glu	Phe Tyr
	210					215					220			
Tyr	Gly	Glu	Phe	Ser	Asp	Gly	Ser	Asn	Glu	Ala	Gly	Gly	Ile	Tyr Gln
225					230					235				240
Val	Leu	Glu	Ile	Pro	Tyr	Glu	Gly	Asp	Glu	Ile	Ser	Met	Met	Leu Val
				245					250					255
Leu	Ser	Arg	Gln	Glu	Val	Pro	Leu	Ala	Thr	Leu	Glu	Pro	Leu	Val Lys
			260					265					270	
Ala	Gln	Leu	Val	Glu	Glu	Trp	Ala	Asn	Ser	Val	Lys	Lys	Gln	Lys Val
	275						280						285	

Glu Val Tyr Leu Pro Arg Phe Thr Val Glu Gln Glu Ile Asp Leu Lys
 290 295 300
 Asp Val Leu Lys Ala Leu Gly Ile Thr Glu Ile Phe Ile Lys Asp Ala
 305 310 315 320
 Asn Leu Thr Gly Leu Ser Asp Asn Lys Glu Ile Phe Leu Ser Lys Ala
 325 330 335
 Ile His Lys Ser Phe Leu Glu Val Asn Glu Glu Ala Gln Lys Leu Leu
 340 345 350
 Leu Ser Gln Glu *
 355 356

<210> 1240
 <211> 707
 <212> PRT
 <213> Homo sapiens

<400> 1240
 Met Leu Ser Leu Arg Arg Cys Thr Ser Met Arg Leu Cys Leu Ser Ser
 1 5 10 15
 Ser Leu Ala Ser Pro Cys Ser Thr Met Leu Ser Thr Val Val Leu Tyr
 20 25 30
 Lys Val Cys Asn Ser Phe Val Glu Met Gly Ser Ala Asn Val Gln Ala
 35 40 45
 Thr Asp Tyr Leu Lys Gly Val Ala Ser Leu Phe Val Val Ser Leu Gly
 50 55 60
 Gly Ala Ala Val Gly Leu Val Phe Ala Phe Leu Leu Ala Leu Thr Thr
 65 70 75 80
 Arg Phe Thr Lys Arg Val Arg Ile Ile Glu Pro Leu Leu Val Phe Leu
 85 90 95
 Leu Ala Tyr Ala Ala Tyr Leu Thr Ala Glu Met Ala Ser Leu Ser Ala
 100 105 110
 Ile Leu Ala Val Thr Met Cys Gly Leu Gly Cys Lys Lys Tyr Val Glu
 115 120 125
 Ala Asn Ile Ser His Lys Ser Arg Thr Thr Val Lys Tyr Thr Met Lys
 130 135 140
 Thr Leu Ala Ser Cys Ala Glu Thr Val Ile Phe Met Leu Leu Gly Ile
 145 150 155 160
 Ser Thr Val Asp Ser Ser Lys Trp Ala Trp Asp Ser Gly Leu Val Leu
 165 170 175
 Gly Thr Leu Ile Phe Ile Leu Phe Phe Arg Ala Leu Gly Val Val Leu
 180 185 190
 Gln Thr Trp Val Leu Asn Gln Phe Arg Leu Val Pro Leu Asp Lys Ile
 195 200 205
 Asp Gln Val Val Met Ser Tyr Gly Gly Leu Arg Gly Ala Val Ala Phe
 210 215 220
 Ala Leu Val Ile Leu Leu Asp Arg Thr Lys Val Pro Ala Lys Asp Tyr
 225 230 235 240
 Phe Val Ala Thr Thr Ile Val Val Val Phe Phe Thr Val Ile Val Gln
 245 250 255
 Gly Leu Thr Ile Lys Pro Leu Val Lys Trp Leu Lys Val Lys Arg Ser
 260 265 270
 Glu His His Lys Pro Thr Leu Asn Gln Glu Leu His Glu His Thr Phe
 275 280 285
 Asp His Ile Leu Ala Ala Val Glu Asp Val Val Gly His His Gly Tyr
 290 295 300
 His Tyr Trp Arg Asp Arg Trp Glu Gln Phe Asp Lys Lys Tyr Leu Ser

305		310		315		320									
Gln	Leu	Leu	Met	Arg	Arg	Ser	Ala	Tyr	Arg	Ile	Arg	Asp	Gln	Ile	Trp
				325					330					335	
Asp	Val	Tyr	Tyr	Arg	Leu	Asn	Ile	Arg	Asp	Ala	Ile	Ser	Phe	Val	Asp
				340					345					350	
Gln	Gly	Gly	His	Val	Leu	Ser	Ser	Thr	Gly	Leu	Thr	Leu	Pro	Ser	Met
				355					360					365	
Pro	Ser	Arg	Asn	Ser	Val	Ala	Glu	Thr	Ser	Val	Thr	Asn	Leu	Leu	Arg
				370					375					380	
Glu	Ser	Gly	Ser	Gly	Ala	Cys	Leu	Asp	Leu	Gln	Val	Ile	Asp	Thr	Val
385					390					395					400
Arg	Ser	Gly	Arg	Asp	Arg	Glu	Asp	Ala	Val	Met	His	His	Leu	Leu	Cys
				405						410					415
Gly	Gly	Leu	Tyr	Lys	Pro	Arg	Arg	Arg	Tyr	Lys	Ala	Ser	Cys	Ser	Arg
				420					425					430	
His	Phe	Ile	Ser	Glu	Asp	Ala	Gln	Glu	Arg	Gln	Asp	Lys	Glu	Val	Phe
				435					440					445	
Gln	Gln	Asn	Met	Lys	Arg	Arg	Leu	Glu	Ser	Phe	Lys	Ser	Thr	Lys	His
				450					455					460	
Asn	Ile	Cys	Phe	Thr	Lys	Ser	Lys	Pro	Arg	Pro	Arg	Lys	Thr	Gly	Arg
465					470					475					480
Arg	Lys	Lys	Asp	Gly	Val	Ala	Asn	Ala	Glu	Ala	Thr	Asn	Gly	Lys	His
				485						490					495
Arg	Gly	Leu	Gly	Phe	Gln	Asp	Thr	Ala	Ala	Val	Ile	Leu	Thr	Val	Glu
				500					505					510	
Ser	Glu	Glu	Glu	Glu	Glu	Glu	Ser	Asp	Ser	Ser	Glu	Thr	Glu	Lys	Glu
				515					520					525	
Asp	Asp	Glu	Gly	Ile	Ile	Phe	Val	Ala	Arg	Ala	Thr	Ser	Glu	Val	Leu
				530					535					540	
Gln	Glu	Gly	Lys	Val	Ser	Gly	Ser	Leu	Glu	Val	Cys	Pro	Ser	Pro	Arg
545					550					555					560
Ile	Ile	Pro	Pro	Ser	Pro	Thr	Cys	Ala	Glu	Lys	Glu	Leu	Pro	Trp	Lys
				565					570						575
Ser	Gly	Gln	Gly	Asp	Leu	Ala	Val	Tyr	Val	Ser	Ser	Glu	Thr	Thr	Lys
				580					585					590	
Ile	Val	Pro	Val	Asp	Met	Gln	Thr	Gly	Trp	Asn	Gln	Ser	Ile	Ser	Ser
				595					600					605	
Leu	Glu	Ser	Leu	Ala	Ser	Pro	Pro	Cys	Asn	Gln	Ala	Pro	Ile	Leu	Thr
				610					615					620	
Cys	Leu	Pro	Pro	His	Pro	Arg	Gly	Thr	Glu	Glu	Pro	Gln	Val	Pro	Leu
625					630					635					640
His	Leu	Pro	Ser	Asp	Pro	Arg	Ser	Ser	Phe	Ala	Phe	Pro	Pro	Ser	Leu
				645					650						655
Ala	Lys	Ala	Gly	Arg	Ser	Arg	Ser	Glu	Ser	Ser	Ala	Asp	Leu	Pro	Gln
				660					665					670	
Gln	Gln	Glu	Leu	Gln	Pro	Leu	Met	Gly	His	Lys	Asp	His	Thr	His	Leu
				675					680					685	
Ser	Pro	Gly	Thr	Ala	Thr	Ser	His	Trp	Cys	Ile	Gln	Phe	Asn	Arg	Gly
				690					695					700	
Ser	Arg	Leu													
705				707											

<210> 1241

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1241
 Met Ala Phe Arg Thr Phe Ser Trp Ile Phe Ser Gly Leu Leu Ser Pro
 1 5 10 15
 Thr Leu Ala Ser Pro Ser Val Ser Met Met Thr Met Glu Val Leu Leu
 20 25 30
 Ser Gly Ile Leu Cys Ser Ser Arg Ala Leu Phe Ser Ile Leu Met Pro
 35 40 45
 Leu Ser Ser Pro Ser Leu Met Leu Val Ile Pro Leu Ser Ser Met Leu
 50 55 60
 Phe Thr Asn Val Leu Ala Ser Trp Arg Phe Ser Gly Val Ala Trp Thr
 65 70 75 80
 Lys Cys Ser Phe His Val Asp Thr Ser Pro Leu Asn Arg Met Lys Phe
 85 90 95
 Arg *
 97

<210> 1242
 <211> 422
 <212> PRT
 <213> Homo sapiens

<400> 1242
 Met Val Leu Trp Glu Ser Pro Arg Gln Cys Ser Ser Trp Thr Leu Cys
 1 5 10 15
 Glu Gly Phe Cys Trp Leu Leu Leu Leu Pro Val Met Leu Leu Ile Val
 20 25 30
 Ala Arg Pro Val Lys Leu Ala Ala Phe Pro Thr Ser Leu Ser Asp Cys
 35 40 45
 Gln Thr Pro Thr Gly Trp Asn Cys Ser Gly Tyr Asp Asp Arg Glu Asn
 50 55 60
 Asp Leu Phe Leu Cys Asp Thr Asn Thr Cys Lys Phe Asp Gly Glu Cys
 65 70 75 80
 Leu Arg Ile Gly Asp Thr Val Thr Cys Val Cys Gln Phe Lys Cys Asn
 85 90 95
 Asn Asp Tyr Val Pro Val Cys Gly Ser Asn Gly Glu Ser Tyr Gln Asn
 100 105 110
 Glu Cys Tyr Leu Arg Gln Ala Ala Cys Lys Gln Gln Ser Glu Ile Leu
 115 120 125
 Val Val Ser Glu Gly Ser Cys Ala Thr Asp Ala Gly Ser Gly Ser Gly
 130 135 140
 Asp Gly Val His Glu Gly Ser Gly Glu Thr Ser Gln Lys Glu Thr Ser
 145 150 155 160
 Thr Cys Asp Ile Cys Gln Phe Gly Ala Glu Cys Asp Glu Asn Ala Glu
 165 170 175
 Asp Val Trp Cys Val Cys Asn Ile Asp Cys Ser Gln Thr Asn Phe Asn
 180 185 190
 Pro Leu Cys Ala Ser Asp Gly Lys Ser Tyr Asp Asn Ala Cys Gln Ile
 195 200 205
 Lys Glu Ala Ser Cys Gln Lys Gln Glu Lys Ile Glu Val Leu Ser Leu
 210 215 220
 Gly Arg Cys Gln Asp Asn Thr Thr Thr Thr Thr Lys Ser Glu Asp Gly
 225 230 235 240
 His Tyr Ala Arg Thr Asp Tyr Ala Glu Asn Ala Asn Lys Leu Glu Glu
 245 250 255
 Ser Ala Arg Glu His His Ile Pro Cys Pro Glu His Tyr Asn Gly Phe

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<210> 1243
<211> 46
<212> PRT
<213> Homo sapiens
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<210> 1244
<211> 46
<212> PRT
<213> Homo sapiens
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<210> 1245
<211> 244
<212> PRT
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<213> Homo sapiens

<400> 1245

Met	Ala	Gly	Val	Ile	Ala	Gly	Leu	Leu	Met	Phe	Ile	Ile	Ile	Leu	Leu
1				5				10						15	
Gly	Val	Met	Leu	Thr	Ile	Lys	Arg	Arg	Arg	Asn	Ala	Tyr	Ser	Tyr	Ser
			20					25					30		
Tyr	Tyr	Leu	Lys	Leu	Ala	Lys	Lys	Gln	Lys	Glu	Thr	Gln	Ser	Gly	Ala
		35					40					45			
Gln	Arg	Glu	Met	Gly	Pro	Val	Ala	Ser	Ala	Asp	Lys	Pro	Thr	Thr	Lys
	50					55				60					
Leu	Ser	Ala	Ser	Arg	Asn	Asp	Glu	Gly	Phe	Ser	Ser	Ser	Ser	Gln	Asp
65				70					75					80	
Val	Asn	Gly	Phe	Asn	Gly	Ser	Arg	Gly	Glu	Leu	Ser	Gln	Pro	Thr	Leu
			85					90					95		
Thr	Ile	Gln	Thr	His	Pro	Tyr	Arg	Thr	Cys	Asp	Pro	Val	Glu	Met	Ser
		100						105					110		
Tyr	Pro	Arg	Asp	Gln	Phe	Gln	Pro	Ala	Ile	Arg	Val	Ala	Asp	Leu	Leu
	115						120					125			
Gln	His	Ile	Thr	Gln	Met	Lys	Arg	Gly	Gln	Gly	Tyr	Gly	Phe	Lys	Glu
	130					135					140				
Glu	Tyr	Glu	Ala	Leu	Pro	Glu	Gly	Gln	Thr	Ala	Ser	Trp	Asp	Thr	Ala
145				150						155				160	
Lys	Glu	Asp	Glu	Asn	Arg	Asn	Lys	Asn	Arg	Tyr	Gly	Asn	Ile	Ile	Ser
			165					170					175		
Tyr	Asp	His	Ser	Arg	Val	Arg	Leu	Leu	Val	Leu	Asp	Gly	Asp	Pro	His
	180						185						190		
Ser	Asp	Tyr	Ile	Asn	Ala	Asn	Tyr	Ile	Asp	Gly	Tyr	His	Arg	Pro	Arg
	195						200					205			
His	Tyr	Ile	Ala	Thr	Gln	Gly	Pro	Met	Gln	Glu	Thr	Val	Lys	Asp	Phe
	210				215					220					
Trp	Arg	Met	Ile	Trp	Gln	Glu	Asn	Ser	Ala	Ser	Ile	Val	Met	Val	Thr
225					230					235				240	
Asn	Pro	Gly	*												
	243														

<210> 1246

<211> 565

<212> PRT

<213> Homo sapiens

<400> 1246

Met	Ala	Val	Phe	Arg	Ser	Gly	Leu	Leu	Val	Leu	Thr	Thr	Pro	Leu	Ala
1				5				10						15	
Ser	Leu	Ala	Pro	Arg	Leu	Ala	Ser	Ile	Leu	Thr	Ser	Ala	Ala	Arg	Leu
		20						25					30		
Val	Asn	His	Thr	Leu	Tyr	Val	His	Leu	Gln	Pro	Gly	Met	Ser	Leu	Glu
	35						40					45			
Gly	Pro	Ala	Gln	Pro	Gln	Tyr	Ser	Pro	Val	Gln	Ala	Thr	Phe	Glu	Val
	50					55				60					
Leu	Asp	Phe	Ile	Thr	His	Leu	Tyr	Ala	Gly	Ala	Asp	Val	His	Arg	His
65				70					75					80	
Leu	Asp	Val	Arg	Ile	Leu	Leu	Thr	Asn	Ile	Arg	Thr	Lys	Ser	Thr	Phe
			85					90					95		
Leu	Pro	Pro	Leu	Pro	Thr	Ser	Val	Gln	Asn	Leu	Ala	His	Pro	Pro	Glu

711

<210> 1247
 <211> 737
 <212> PRT
 <213> Homo sapiens

<400> 1247
 Met Phe Pro Ala Gly Pro Pro Trp Pro Arg Val Arg Val Val Gln Val
 1 5 10 15
 Leu Trp Ala Leu Leu Ala Val Leu Leu Ala Ser Trp Arg Leu Trp Ala
 20 25 30
 Ile Lys Asp Phe Gln Glu Cys Thr Trp Gln Val Val Leu Asn Glu Phe
 35 40 45
 Lys Arg Val Gly Glu Ser Gly Val Ser Asp Ser Phe Phe Glu Gln Glu
 50 55 60
 Pro Val Asp Thr Val Ser Ser Leu Phe His Met Leu Val Asp Ser Pro
 65 70 75 80
 Ile Asp Pro Ser Glu Lys Tyr Leu Gly Phe Pro Tyr Tyr Leu Lys Ile
 85 90 95
 Asn Tyr Ser Cys Glu Glu Lys Pro Ser Glu Asp Leu Val Arg Met Gly
 100 105 110
 His Leu Thr Gly Leu Lys Pro Leu Val Leu Val Thr Phe Gln Ser Pro
 115 120 125
 Val Asn Phe Tyr Arg Trp Lys Ile Glu Gln Leu Gln Ile Gln Met Glu
 130 135 140
 Ala Ala Pro Phe Arg Ser Lys Gly Gly Pro Gly Gly Gly Arg Asp
 145 150 155 160
 Arg Asn Leu Ala Gly Met Asn Ile Asn Gly Phe Leu Lys Arg Asp Arg
 165 170 175
 Asp Asn Asn Ile Gln Phe Thr Val Gly Glu Glu Leu Phe Asn Leu Met
 180 185 190
 Pro Gln Tyr Phe Val Gly Val Ser Ser Arg Pro Leu Trp His Thr Val
 195 200 205
 Asp Gln Ser Pro Val Leu Ile Leu Gly Gly Ile Pro Asn Glu Lys Tyr
 210 215 220
 Val Leu Met Thr Asp Thr Ser Phe Lys Asp Phe Ser Leu Val Glu Val
 225 230 235 240
 Asn Gly Val Gly Gln Met Leu Ser Ile Asp Ser Cys Trp Val Gly Ser
 245 250 255
 Phe Tyr Cys Pro His Ser Gly Phe Thr Ala Thr Ile Tyr Asp Thr Ile
 260 265 270
 Ala Thr Glu Ser Thr Leu Phe Ile Arg Gln Asn Gln Leu Val Tyr Tyr
 275 280 285
 Phe Thr Gly Thr Tyr Thr Thr Leu Tyr Glu Arg Asn Arg Gly Ser Gly
 290 295 300
 Glu Cys Ala Val Ala Gly Pro Thr Pro Gly Glu Gly Thr Leu Val Asn
 305 310 315 320
 Pro Ser Thr Glu Gly Ser Trp Ile Arg Val Leu Ala Ser Glu Cys Ile
 325 330 335
 Lys Lys Leu Cys Pro Val Tyr Phe His Ser Asn Gly Ser Glu Tyr Ile
 340 345 350
 Met Ala Leu Thr Thr Gly Lys His Glu Gly Tyr Val His Phe Gly Thr
 355 360 365
 Ile Arg Val Thr Thr Cys Ser Ile Ile Trp Ser Glu Tyr Ile Ala Gly
 370 375 380
 Glu Tyr Thr Leu Leu Leu Leu Val Glu Ser Gly Tyr Gly Asn Ala Ser

385					390					395					400
Lys	Arg	Phe	Gln	Val	Val	Ser	Tyr	Asn	Thr	Ala	Ser	Asp	Asp	Leu	Glu
				405					410					415	
Leu	Leu	Tyr	His	Ile	Pro	Glu	Phe	Ile	Pro	Glu	Ala	Arg	Gly	Leu	Glu
			420					425					430		
Phe	Leu	Met	Ile	Leu	Gly	Thr	Glu	Ser	Tyr	Thr	Ser	Thr	Ala	Met	Ala
		435					440					445			
Pro	Lys	Gly	Ile	Phe	Cys	Asn	Pro	Tyr	Asn	Asn	Leu	Ile	Phe	Ile	Trp
	450					455					460				
Gly	Asn	Phe	Leu	Leu	Gln	Ser	Ser	Asn	Lys	Glu	Asn	Phe	Ile	Tyr	Leu
465					470					475					480
Ala	Asp	Phe	Pro	Lys	Glu	Leu	Ser	Ile	Lys	Tyr	Met	Ala	Arg	Ser	Phe
				485					490					495	
Arg	Gly	Ala	Val	Ala	Ile	Val	Thr	Glu	Thr	Glu	Glu	Ile	Trp	Tyr	Leu
			500					505					510		
Leu	Glu	Gly	Ser	Tyr	Arg	Val	Tyr	Gln	Leu	Phe	Pro	Ser	Lys	Gly	Trp
	515						520					525			
Gln	Val	His	Ile	Ser	Leu	Lys	Leu	Met	Gln	Gln	Ser	Ser	Leu	Tyr	Ala
	530					535					540				
Ser	Asn	Glu	Thr	Met	Leu	Thr	Leu	Phe	Tyr	Glu	Asp	Ser	Lys	Leu	Tyr
545					550					555					560
Gln	Leu	Val	Tyr	Leu	Met	Asn	Asn	Gln	Lys	Gly	Gln	Leu	Val	Lys	Arg
				565					570					575	
Leu	Val	Pro	Val	Glu	Gln	Leu	Leu	Met	Tyr	Gln	Gln	His	Thr	Ser	His
			580					585					590		
Tyr	Asp	Leu	Glu	Arg	Lys	Gly	Gly	Tyr	Leu	Met	Leu	Ser	Phe	Ile	Asp
	595						600					605			
Phe	Cys	Pro	Phe	Ser	Val	Met	Arg	Leu	Arg	Ser	Leu	Pro	Ser	Pro	Gln
	610					615					620				
Arg	Tyr	Thr	Arg	Gln	Glu	Arg	Tyr	Arg	Ala	Arg	Pro	Pro	Arg	Val	Leu
625					630					635					640
Glu	Arg	Ser	Gly	Phe	Pro	Gln	Gly	Glu	Leu	Ala	Arg	His	Leu	Pro	Gly
				645					650					655	
Pro	Gly	Leu	Leu	Pro	Ala	Val	Ala	Ala	Leu	Arg	Val	Arg	Gln	Ala	Val
		660						665					670		
Arg	Gly	Pro	Gly	Ala	Arg	Pro	His	Leu	Ala	Leu	Val	Gly	Glu	Gln	Gln
	675						680					685			
Thr	Arg	Pro	Gly	Leu	Leu	Leu	Leu	Leu	Gly	Glu	Gln	Leu	Ala	Lys	Arg
	690					695					700				
Gly	Arg	Arg	Val	His	Arg	Asn	Gly	Gln	Leu	Arg	Lys	Asp	Leu	Gln	Pro
705					710					715					720
Arg	Val	Arg	Val	Arg	Ala	Ala	Gly	Ala	His	Phe	Pro	Gly	Gln	Gly	His
				725					730					735	736

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<210> 1248

<211> 175

<212> PRT

<213> Homo sapiens

<400> 1248

Met	Gly	Trp	Val	Trp	Thr	Leu	Cys	Thr	Ala	Ser	Ala	Cys	Leu	Thr	Leu
1				5					10				15		
Leu	Phe	Trp	Ser	Gln	Thr	Pro	Gly	Lys	Ala	Phe	Gln	Ile	Pro	Cys	Pro
			20					25					30		

```

Pro Pro His Leu Ser His Trp Cys Leu Ser Pro Met Gln Met Asp Asp
      35              40              45
Gly Cys Ala Arg Leu Cys Val Leu Trp Thr Ala Trp Met Arg Trp Arg
      50              55              60
Val Leu Met Cys Ser Cys Arg Val Trp Ala Thr Asp Leu Gly Ile Phe
      65              70              75              80
Leu Gly Val Ala Leu Gly Asn Glu Pro Leu Glu Met Trp Pro Leu Thr
      85              90              95
Gln Asn Glu Glu Cys Thr Val Thr Gly Phe Leu Arg Asp Lys Leu Gln
      100             105             110
Tyr Arg Ser Arg Leu Gln Tyr Met Lys His Tyr Phe Pro Ile Asn Tyr
      115             120             125
Lys Ile Arg Val Pro Tyr Glu Gly Val Phe Arg Ile Ala Asn Val Thr
      130             135             140
Arg Leu Arg Ala Gln Gly Ser Glu Arg Glu Leu Arg Tyr Leu Gly Val
      145             150             155             160
Leu Val Ser Leu Ser Ala Thr Glu Ser Val His Asp Glu Leu Leu
      165             170             175

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<210> 1249
<211> 68
<212> PRT
<213> Homo sapiens

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<400> 1249
Met Phe His Arg Cys Arg Leu Lys Ala Gly Leu Met Leu Trp Arg Ser
  1              5              10              15
Leu Glu Ser Gly Leu Cys Ala Gly Ala His Arg Leu Trp Leu Glu Gly
      20              25              30
Pro Met Ala Phe Pro Glu Leu Gly Glu Lys Asp Pro Leu Leu Ala Ser
      35              40              45
Pro Leu Ala Leu Ile Pro Gln Ser Leu Ile Gly Leu Gly Gly Leu Arg
      50              55              60
Gly Ala Trp *
      65              67

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<210> 1250
<211> 209
<212> PRT
<213> Homo sapiens

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<400> 1250
Met Ser Phe Cys Phe Thr Phe Leu Ser Leu Leu Pro Ala Cys Ile Lys
  1              5              10              15
Leu Ile Leu Gln Pro Ser Ser Lys Gly Phe Lys Phe Thr Leu Val Ser
      20              25              30
Cys Ala Leu Ser Phe Phe Leu Phe Ser Phe Gln Val His Glu Lys Ser
      35              40              45
Ile Leu Leu Val Ser Leu Pro Val Cys Leu Val Leu Ser Glu Ile Pro
      50              55              60
Phe Met Ser Thr Trp Phe Leu Leu Val Ser Thr Phe Ser Met Leu Pro
      65              70              75              80
Leu Leu Leu Lys Asp Glu Leu Leu Met Pro Ser Val Val Thr Thr Met

```

				85					90					95			
Ala	Phe	Phe	Ile	Ala	Cys	Val	Thr	Ser	Phe	Ser	Ile	Phe	Glu	Lys	Thr		
			100					105					110				
Ser	Glu	Glu	Glu	Leu	Gln	Leu	Lys	Ser	Phe	Ser	Ile	Ser	Val	Arg	Lys		
		115					120					125					
Tyr	Leu	Pro	Cys	Phe	Thr	Phe	Leu	Ser	Arg	Ile	Ile	Gln	Tyr	Leu	Phe		
	130					135					140						
Leu	Ile	Ser	Val	Ile	Thr	Met	Val	Leu	Leu	Thr	Leu	Met	Thr	Val	Thr		
145					150					155					160		
Leu	Asp	Pro	Pro	Gln	Lys	Leu	Pro	Asp	Leu	Phe	Ser	Val	Leu	Val	Cys		
			165					170					175				
Phe	Val	Ser	Cys	Leu	Asn	Phe	Leu	Phe	Phe	Leu	Val	Tyr	Phe	Asn	Ile		
			180					185					190				
Ile	Ile	Met	Trp	Asp	Ser	Lys	Ser	Gly	Arg	Asn	Gln	Lys	Lys	Ile	Ser		
		195					200					205			208		

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<210> 1251
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1251
 Met Ile Leu Leu Leu Ser Thr Phe Phe Cys Cys Phe Arg Glu Asp Ser
 1 5 10 15
 Cys Phe Tyr Lys Lys Tyr Val Gly Leu Val Gln Trp Leu Met Pro Val
 20 25 30
 Ile Pro Ala Leu Trp Glu Ala Lys Val Gly Gly Ser Leu Glu Val Trp
 35 40 45
 Ser Ser Arg Pro Ala Trp Pro Ile Arg *
 50 55 57

<210> 1252
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1252
 Met Tyr Lys Asn Phe Cys Leu Phe Phe Ile Phe Ala Leu Tyr Gln Gly
 1 5 10 15
 Leu Ala Asn Tyr Gly Leu Trp Ala Asn Ser Asn Pro Leu His Val Ser
 20 25 30
 Val Tyr Lys Ile Leu Leu Gly Cys Val Pro Trp Leu Leu Ser Val Val
 35 40 45
 Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Thr His His Tyr Ala Trp
 50 55 60
 Ile Ile Phe Cys Ile Phe Ser Thr Asp Gly Val Ser Pro Arg Trp Pro
 65 70 75 80
 Arg Trp Ser *
 83

<210> 1253
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1253
 Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
 1 5 10 15
 Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
 20 25 30
 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
 35 40 45
 Ser Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Glu
 50 55 60
 Gly Ala Gly Val Gly Leu Arg Phe *
 65 70 72

<210> 1254
 <211> 209
 <212> PRT
 <213> Homo sapiens

<400> 1254
 Met Ser Phe Cys Phe Thr Phe Leu Ser Leu Leu Pro Ala Cys Ile Lys
 1 5 10 15
 Leu Ile Leu Gln Pro Ser Ser Lys Gly Phe Lys Phe Thr Leu Val Ser
 20 25 30
 Cys Ala Leu Ser Phe Phe Leu Phe Ser Phe Gln Val His Glu Lys Ser
 35 40 45
 Ile Leu Leu Val Ser Leu Pro Val Cys Leu Val Leu Ser Glu Ile Pro
 50 55 60
 Phe Met Ser Thr Trp Phe Leu Leu Val Ser Thr Phe Ser Met Leu Pro
 65 70 75 80
 Leu Leu Leu Lys Asp Glu Leu Leu Met Pro Ser Val Val Thr Thr Met
 85 90 95
 Ala Phe Phe Ile Ala Cys Val Thr Ser Phe Ser Ile Phe Glu Lys Thr
 100 105 110
 Ser Glu Glu Glu Leu Gln Leu Lys Ser Phe Ser Ile Ser Val Arg Lys
 115 120 125
 Tyr Leu Pro Cys Phe Thr Phe Leu Ser Arg Ile Ile Gln Tyr Leu Phe
 130 135 140
 Leu Ile Ser Val Ile Thr Met Val Leu Leu Thr Leu Met Thr Val Thr
 145 150 155 160
 Leu Asp Pro Pro Gln Lys Leu Pro Asp Leu Phe Ser Val Leu Val Cys
 165 170 175
 Phe Val Ser Cys Leu Asn Phe Leu Phe Phe Leu Val Tyr Phe Asn Ile
 180 185 190
 Ile Ile Met Trp Asp Ser Lys Ser Gly Arg Asn Gln Lys Lys Ile Ser
 195 200 205 208
 *

<210> 1255
 <211> 730
 <212> PRT
 <213> Homo sapiens

<400> 1255
 Met Gly Pro Trp Gly Trp Lys Leu Arg Trp Thr Val Ala Leu Leu Leu
 1 5 10 15
 Ala Ala Ala Gly Thr Ala Val Gly Asp Arg Cys Glu Arg Asn Glu Phe
 20 25 30
 Gln Cys Gln Asp Gly Lys Cys Ile Ser Tyr Lys Trp Val Cys Asp Gly
 35 40 45
 Ser Ala Glu Cys Gln Asp Gly Ser Asp Glu Ser Gln Glu Thr Cys Leu
 50 55 60
 Ser Val Thr Cys Lys Ser Gly Asp Phe Ser Cys Gly Gly Arg Val Asn
 65 70 75 80
 Arg Cys Ile Pro Gln Phe Trp Arg Cys Asp Gly Gln Val Asp Cys Asp
 85 90 95
 Asn Gly Ser Asp Glu Gln Gly Cys Pro Pro Lys Thr Cys Ser Gln Asp
 100 105 110
 Glu Phe Arg Cys His Asp Gly Lys Cys Ile Ser Arg Gln Phe Val Cys
 115 120 125
 Asp Ser Asp Arg Asp Cys Leu Asp Gly Ser Asp Glu Ala Ser Cys Pro
 130 135 140
 Val Leu Thr Cys Gly Pro Ala Ser Phe Gln Cys Asn Ser Ser Thr Cys
 145 150 155 160
 Ile Pro Gln Leu Trp Ala Cys Asp Asn Asp Pro Asp Cys Glu Asp Gly
 165 170 175
 Ser Asp Glu Trp Pro Gln Arg Cys Arg Gly Leu Tyr Val Phe Gln Gly
 180 185 190
 Asp Ser Ser Pro Cys Ser Ala Phe Glu Phe His Cys Leu Ser Gly Glu
 195 200 205
 Cys Ile His Ser Ser Trp Arg Cys Asp Gly Gly Pro Asp Cys Lys Asp
 210 215 220
 Lys Ser Asp Glu Glu Asn Cys Ala Val Ala Thr Cys Arg Pro Asp Glu
 225 230 235 240
 Phe Gln Cys Ser Asp Gly Asn Cys Ile His Gly Ser Arg Gln Cys Asp
 245 250 255
 Arg Glu Tyr Asp Cys Lys Asp Met Ser Asp Glu Val Gly Cys Val Asn
 260 265 270
 Val Thr Leu Cys Glu Gly Pro Asn Lys Phe Lys Cys His Ser Gly Glu
 275 280 285
 Cys Ile Thr Leu Asp Lys Val Cys Asn Met Ala Arg Asp Cys Arg Asp
 290 295 300
 Trp Ser Asp Glu Pro Ile Lys Glu Cys Gly Thr Asn Glu Cys Leu Asp
 305 310 315 320
 Asn Asn Gly Gly Cys Ser His Val Cys Asn Asp Leu Lys Ile Gly Tyr
 325 330 335
 Glu Cys Leu Cys Pro Asp Gly Phe Gln Leu Val Ala Gln Arg Arg Cys
 340 345 350
 Glu Asp Ile Asp Glu Cys Gln Asp Pro Asp Thr Cys Ser Gln Leu Cys
 355 360 365
 Val Asn Leu Glu Gly Gly Tyr Lys Cys Gln Cys Glu Glu Gly Phe Gln
 370 375 380
 Leu Asp Pro His Thr Lys Ala Cys Lys Ala Val Gly Ser Ile Ala Tyr
 385 390 395 400
 Leu Phe Phe Thr Asn Arg His Glu Val Arg Lys Met Thr Leu Asp Arg
 405 410 415


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Ser Glu Tyr Thr Ser Leu Ile Pro Asn Leu Arg Asn Val Val Ala Leu
      420      425      430
Asp Thr Glu Val Ala Ser Asn Arg Ile Tyr Trp Ser Asp Leu Ser Gln
      435      440      445
Arg Met Ile Cys Ser Thr Gln Leu Asp Arg Ala His Gly Val Ser Ser
      450      455      460
Tyr Asp Thr Val Ile Ser Arg Asp Ile Gln Ala Pro Asp Gly Leu Ala
465      470      475      480
Val Asp Trp Ile His Ser Asn Ile Tyr Trp Thr Asp Ser Val Leu Gly
      485      490      495
Thr Val Ser Val Ala Asp Thr Lys Gly Val Lys Arg Lys Thr Leu Phe
      500      505      510
Arg Glu Asn Gly Ser Lys Pro Arg Ala Ile Val Val Asp Pro Val His
      515      520      525
Gly Phe Met Tyr Trp Thr Asp Trp Gly Thr Pro Ala Lys Ile Lys Lys
      530      535      540
Gly Gly Leu Asn Gly Val Asp Ile Tyr Ser Leu Val Thr Glu Asn Ile
545      550      555      560
Gln Trp Pro Asn Gly Ile Thr Leu Asp Leu Leu Ser Gly Arg Leu Tyr
      565      570      575
Trp Val Asp Ser Lys Leu His Ser Ile Ser Ser Ile Asp Val Asn Gly
      580      585      590
Gly Asn Arg Lys Thr Ile Leu Glu Asp Glu Lys Arg Leu Ala His Pro
      595      600      605
Phe Ser Leu Ala Val Phe Glu Asp Lys Val Phe Trp Thr Asp Ile Ile
      610      615      620
Asn Glu Ala Ile Phe Ser Ala Asn Arg Leu Thr Gly Ser Asp Val Asn
625      630      635      640
Leu Leu Ala Glu Asn Leu Leu Ser Pro Glu Asp Met Val Leu Phe His
      645      650      655
Asn Leu Thr Gln Pro Arg Gly Val Asn Trp Cys Glu Arg Thr Thr Leu
      660      665      670
Ser Asn Gly Gly Cys Gln Tyr Leu Cys Leu Pro Ala Pro Gln Ile Asn
      675      680      685
Pro His Ser Pro Lys Phe Thr Cys Ala Cys Pro Asp Gly Met Leu Leu
      690      695      700
Ala Arg Gly His Glu Glu Leu Pro His Arg Gly Leu Arg Leu Gln Trp
705      710      715      720
Pro Pro Arg Arg His Pro Pro Ser Gly *
      725      729

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<210> 1256
<211> 264
<212> PRT
<213> Homo sapiens

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<400> 1256
Met Arg Gly Asn Leu Ala Leu Val Gly Val Leu Ile Ser Leu Ala Phe
 1      5      10      15
Leu Ser Leu Leu Pro Ser Gly His Pro Gln Pro Ala Gly Asp Asp Ala
      20      25      30
Cys Ser Val Gln Ile Leu Val Pro Gly Leu Lys Gly Asp Ala Gly Glu
      35      40      45
Lys Gly Asp Lys Gly Ala Pro Gly Arg Pro Gly Arg Val Gly Pro Thr
      50      55      60
Gly Glu Lys Gly Asp Met Gly Asp Lys Gly Gln Lys Gly Ser Val Gly

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      65              70              75              80
Arg His Gly Lys Ile Gly Pro Ile Gly Ser Lys Gly Glu Lys Gly Asp
      85              90              95
Ser Gly Asp Ile Gly Pro Pro Gly Pro Asn Gly Glu Pro Gly Leu Pro
      100             105             110
Cys Glu Cys Ser Gln Leu Arg Lys Ala Ile Gly Glu Met Asp Asn Gln
      115             120             125
Val Ser Gln Leu Thr Ser Glu Leu Lys Phe Ile Lys Asn Ala Val Ala
      130             135             140
Gly Val Arg Glu Thr Glu Ser Lys Ile Tyr Leu Leu Val Lys Glu Glu
      145             150             155             160
Lys Arg Tyr Ala Asp Ala Gln Leu Ser Cys Gln Gly Arg Gly Gly Thr
      165             170             175
Leu Ser Met Pro Lys Asp Glu Ala Ala Asn Gly Leu Met Ala Ala Tyr
      180             185             190
Leu Ala Gln Ala Gly Leu Ala Arg Val Phe Ile Gly Ile Asn Asp Leu
      195             200             205
Glu Lys Glu Gly Ala Phe Val Tyr Ser Asp His Ser Pro Met Arg Thr
      210             215             220
Phe Asn Lys Trp Arg Ser Gly Glu Pro Asn Asn Ala Tyr Asp Glu Glu
      225             230             235             240
Asp Cys Val Glu Met Val Ala Ser Gly Gly Trp Asn Asp Val Ala Cys
      245             250             255
His Thr Thr Met Tyr Phe Met *
      260             263

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<210> 1257
<211> 407
<212> PRT
<213> Homo sapiens

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      <400> 1257
Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu Cys Ala Ala
      1              5              10              15
Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln Ser Lys Ser
      20             25             30
Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala His Gly Leu
      35             40             45
Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg Thr Arg Ser
      50             55             60
Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly Ser Ala Cys
      65             70             75             80
Gln Gly Thr Glu Gly Ser Thr Asp Leu Pro Leu Ala Pro Glu Ser Arg
      85             90             95
Val Asp Pro Glu Val Leu His Ser Leu Gln Thr Gln Leu Lys Ala Gln
      100            105            110
Asn Ser Arg Ile Gln Gln Leu Phe His Lys Val Ala Gln Gln Gln Arg
      115            120            125
His Leu Glu Lys Gln His Leu Arg Ile Gln His Leu Gln Ser Gln Phe
      130            135            140
Gly Leu Leu Asp His Lys His Leu Asp His Glu Val Ala Lys Pro Ala
      145            150            155            160
Arg Arg Lys Arg Leu Pro Glu Met Ala Gln Pro Val Asp Pro Ala His
      165            170            175
Asn Val Ser Arg Leu His Arg Leu Pro Arg Asp Cys Gln Glu Leu Phe
      180            185            190

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Gln Val Gly Glu Arg Gln Ser Gly Leu Phe Glu Ile Gln Pro Gln Gly
 195 200 205
 Ser Pro Pro Phe Leu Val Asn Cys Lys Met Thr Ser Asp Gly Gly Trp
 210 215 220
 Thr Val Ile Gln Arg Arg His Asp Gly Ser Val Asp Phe Asn Arg Pro
 225 230 235 240
 Trp Glu Ala Tyr Lys Ala Gly Phe Gly Asp Pro His Gly Glu Phe Trp
 245 250 255
 Leu Gly Leu Glu Lys Val His Ser Ile Thr Gly Asp Arg Asn Ser Arg
 260 265 270
 Leu Ala Val Gln Leu Arg Asp Trp Asp Gly Asn Ala Glu Leu Leu Gln
 275 280 285
 Phe Ser Val His Leu Gly Gly Glu Asp Thr Ala Tyr Ser Leu Gln Leu
 290 295 300
 Thr Ala Pro Val Ala Gly Gln Leu Gly Ala Thr Thr Val Pro Pro Ser
 305 310 315 320
 Gly Leu Ser Val Pro Phe Ser Thr Trp Asp Gln Asp His Asp Leu Arg
 325 330 335
 Arg Asp Lys Asn Cys Ala Lys Ser Leu Ser Gly Gly Trp Trp Phe Gly
 340 345 350
 Thr Cys Ser His Ser Asn Leu Asn Gly Gln Tyr Phe Arg Ser Ile Pro
 355 360 365
 Gln Gln Arg Gln Lys Leu Lys Lys Gly Ile Phe Trp Lys Thr Trp Arg
 370 375 380
 Gly Arg Tyr Tyr Pro Leu Gln Ala Thr Thr Met Leu Ile Gln Pro Met
 385 390 395 400
 Ala Ala Glu Ala Ala Ser *
 405 406

<210> 1258
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 1258
 Met Met Thr Pro Lys Leu Met Ile Trp Leu Leu Leu Gln Ala Lys Ser
 1 5 10 15
 Ser Ile Ser Met Leu Glu Lys Ser Ser Lys Cys Leu Gly Arg Cys Phe
 20 25 30
 Ser Ser Phe Ala Lys Asn Leu Val Met Ile Gln Ser Cys Val Ser Trp
 35 40 45
 Ala Leu Met Ser Glu Asn Phe Tyr Arg Thr Leu Met Leu Cys Thr Thr
 50 55 60
 Thr Leu Leu Pro Ser Thr Gln Glu Cys Val His Leu Pro Leu Gly Ala
 65 70 75 80
 Leu Met Gln Lys Arg Ala Lys Asp Ser Phe Cys Thr Thr Thr Gln Arg
 85 90 95
 Glu Lys Asp Phe Arg Ile Leu Ser Leu Glu Ser Ser Lys Gln Trp His
 100 105 110
 Asn Lys Ser Met Ala Leu Lys *
 115 119

<210> 1259
 <211> 160

<212> PRT
 <213> Homo sapiens

<400> 1259
 Met Val Cys Leu Arg Leu Pro Gly Gly Ser Cys Met Ala Val Leu Thr
 1 5 10 15
 Val Thr Leu Met Val Leu Ser Ser Pro Leu Ala Leu Ala Gly Asp Thr
 20 25 30
 Arg Pro Arg Phe Leu Glu Tyr Ser Thr Gly Glu Cys Tyr Phe Phe Asn
 35 40 45
 Gly Thr Glu Arg Val Arg Phe Leu Asp Arg Tyr Phe Tyr Asn Gln Glu
 50 55 60
 Glu Tyr Val Arg Phe Asp Ser Asp Val Gly Glu Tyr Arg Ala Val Thr
 65 70 75 80
 Glu Leu Gly Arg Pro Asp Ala Glu Tyr Leu Glu Gln Pro Glu Gly Arg
 85 90 95
 Pro Trp Asn Ser Gln Lys Asp Ile Leu Glu Asp Glu Arg Ala Ala Val
 100 105 110
 Asp Thr Tyr Cys Arg His Asn Tyr Gly Val Val Glu Ser Phe Thr Val
 115 120 125
 Gln Arg Arg Val His Pro Lys Val Thr Val Tyr Pro Ser Lys Thr Gln
 130 135 140
 Pro Leu Gln Ala Pro Gln Pro Ala Val Leu Phe Cys Glu Trp Phe *
 145 150 155 159

<210> 1260
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1260
 Met Leu Thr Phe Leu Met Leu Val Arg Leu Ser Thr Leu Cys Pro Ser
 1 5 10 15
 Ala Val Leu Gln Arg Leu Asp Arg Leu Val Glu Pro Leu Arg Ala Thr
 20 25 30
 Cys Thr Thr Lys Val Lys Ala Asn Ser Val Lys Gln Glu Phe Glu Lys
 35 40 45
 Gln Asp Glu Leu Lys Arg Ser Ala Met Arg Ala Val Ala Ala Leu Leu
 50 55 60
 Thr Ile Pro Glu Ala Glu Lys Ser Pro Leu Met Ser Glu Phe Gln Ser
 65 70 75 80
 Gln Ile Ser Ser Asn Pro Glu Leu Ala Ala Ile Phe Glu Ser Ile Gln
 85 90 95
 Lys Asp Ser Ser Ser Thr Asn Leu Glu Ser Met Asp Thr Ser *
 100 105 110

<210> 1261
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1261

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Met Ile Pro Ala Arg Phe Ala Gly Val Leu Leu Ala Leu Ala Leu Ile
 1           5           10           15
Leu Pro Gly Thr Leu Cys Ala Glu Gly Thr Arg Gly Arg Ser Ser Thr
           20           25           30
Ala Arg Cys Ser Leu Phe Gly Ser Asp Phe Val Asn Thr Phe Asp Gly
           35           40           45
Ser Met Tyr Ser Phe Ala Gly Tyr Cys Ser Tyr Leu Leu Ala Gly Gly
           50           55           60
Cys Gln Lys Arg Ser Phe Ser Ile Ile Gly Asp Phe Gln Asn Gly Lys
           65           70           75           80
Arg Val Ser Leu Ser Val Tyr Leu Gly Glu Phe Phe Asp Ile His Leu
           85           90           95
Phe Val Asn Gly Thr Val Thr Gln Gly Asp Gln Arg Val Ser Met Pro
           100           105           110
Tyr Ala Ser Lys Gly Leu Tyr Leu Glu Thr *
           115           120           122

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<210> 1262

<211> 737

<212> PRT

<213> Homo sapiens

<400> 1262

```

Met Phe Pro Ala Gly Pro Pro Trp Pro Arg Val Arg Val Val Gln Val
 1           5           10           15
Leu Trp Ala Leu Leu Ala Val Leu Leu Ala Ser Trp Arg Leu Trp Ala
           20           25           30
Ile Lys Asp Phe Gln Glu Cys Thr Trp Gln Val Val Leu Asn Glu Phe
           35           40           45
Lys Arg Val Gly Glu Ser Gly Val Ser Asp Ser Phe Phe Glu Gln Glu
           50           55           60
Pro Val Asp Thr Val Ser Ser Leu Phe His Met Leu Val Asp Ser Pro
           65           70           75           80
Ile Asp Pro Ser Glu Lys Tyr Leu Gly Phe Pro Tyr Tyr Leu Lys Ile
           85           90           95
Asn Tyr Ser Cys Glu Glu Lys Pro Ser Glu Asp Leu Val Arg Met Gly
           100           105           110
His Leu Thr Gly Leu Lys Pro Leu Val Leu Val Thr Phe Gln Ser Pro
           115           120           125
Val Asn Phe Tyr Arg Trp Lys Ile Glu Gln Leu Gln Ile Gln Met Glu
           130           135           140
Ala Ala Pro Phe Arg Ser Lys Gly Gly Pro Gly Gly Gly Gly Arg Asp
           145           150           155           160
Arg Asn Leu Ala Gly Met Asn Ile Asn Gly Phe Leu Lys Arg Asp Arg
           165           170           175
Asp Asn Asn Ile Gln Phe Thr Val Gly Glu Glu Leu Phe Asn Leu Met
           180           185           190
Pro Gln Tyr Phe Val Gly Val Ser Ser Arg Pro Leu Trp His Thr Val
           195           200           205
Asp Gln Ser Pro Val Leu Ile Leu Gly Gly Ile Pro Asn Glu Lys Tyr
           210           215           220
Val Leu Met Thr Asp Thr Ser Phe Lys Asp Phe Ser Leu Val Glu Val
           225           230           235           240
Asn Gly Val Gly Gln Met Leu Ser Ile Asp Ser Cys Trp Val Gly Ser
           245           250           255
Phe Tyr Cys Pro His Ser Gly Phe Thr Ala Thr Ile Tyr Asp Thr Ile

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			260					265				270			
Ala	Thr	Glu	Ser	Thr	Leu	Phe	Ile	Arg	Gln	Asn	Gln	Leu	Val	Tyr	Tyr
		275					280					285			
Phe	Thr	Gly	Thr	Tyr	Thr	Thr	Leu	Tyr	Glu	Arg	Asn	Arg	Gly	Ser	Gly
	290					295					300				
Glu	Cys	Ala	Val	Ala	Gly	Pro	Thr	Pro	Gly	Glu	Gly	Thr	Leu	Val	Asn
305					310					315					320
Pro	Ser	Thr	Glu	Gly	Ser	Trp	Ile	Arg	Val	Leu	Ala	Ser	Glu	Cys	Ile
				325					330					335	
Lys	Lys	Leu	Cys	Pro	Val	Tyr	Phe	His	Ser	Asn	Gly	Ser	Glu	Tyr	Ile
			340					345					350		
Met	Ala	Leu	Thr	Thr	Gly	Lys	His	Glu	Gly	Tyr	Val	His	Phe	Gly	Thr
		355					360					365			
Ile	Arg	Val	Thr	Thr	Cys	Ser	Ile	Ile	Trp	Ser	Glu	Tyr	Ile	Ala	Gly
	370					375					380				
Glu	Tyr	Thr	Leu	Leu	Leu	Leu	Val	Glu	Ser	Gly	Tyr	Gly	Asn	Ala	Ser
385					390					395					400
Lys	Arg	Phe	Gln	Val	Val	Ser	Tyr	Asn	Thr	Ala	Ser	Asp	Asp	Leu	Glu
			405						410					415	
Leu	Leu	Tyr	His	Ile	Pro	Glu	Phe	Ile	Pro	Glu	Ala	Arg	Gly	Leu	Glu
			420					425					430		
Phe	Leu	Met	Ile	Leu	Gly	Thr	Glu	Ser	Tyr	Thr	Ser	Thr	Ala	Met	Ala
		435					440					445			
Pro	Lys	Gly	Ile	Phe	Cys	Asn	Pro	Tyr	Asn	Asn	Leu	Ile	Phe	Ile	Trp
	450					455					460				
Gly	Asn	Phe	Leu	Leu	Gln	Ser	Ser	Asn	Lys	Glu	Asn	Phe	Ile	Tyr	Leu
465					470					475					480
Ala	Asp	Phe	Pro	Lys	Glu	Leu	Ser	Ile	Lys	Tyr	Met	Ala	Arg	Ser	Phe
			485						490					495	
Arg	Gly	Ala	Val	Ala	Ile	Val	Thr	Glu	Thr	Glu	Glu	Ile	Trp	Tyr	Leu
			500					505					510		
Leu	Glu	Gly	Ser	Tyr	Arg	Val	Tyr	Gln	Leu	Phe	Pro	Ser	Lys	Gly	Trp
		515					520					525			
Gln	Val	His	Ile	Ser	Leu	Lys	Leu	Met	Gln	Gln	Ser	Ser	Leu	Tyr	Ala
	530					535					540				
Ser	Asn	Glu	Thr	Met	Leu	Thr	Leu	Phe	Tyr	Glu	Asp	Ser	Lys	Leu	Tyr
545				550						555					560
Gln	Leu	Val	Tyr	Leu	Met	Asn	Asn	Gln	Lys	Gly	Gln	Leu	Val	Lys	Arg
			565					570						575	
Leu	Val	Pro	Val	Glu	Gln	Leu	Leu	Met	Tyr	Gln	Gln	His	Thr	Ser	His
			580					585					590		
Tyr	Asp	Leu	Glu	Arg	Lys	Gly	Gly	Tyr	Leu	Met	Leu	Ser	Phe	Ile	Asp
		595					600					605			
Phe	Cys	Pro	Phe	Ser	Val	Met	Arg	Leu	Arg	Ser	Leu	Pro	Ser	Pro	Gln
	610					61									

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<210> 1263
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1263
 Met Gly Ala Gly Cys Thr Pro Val Val Leu Gly Ala Ala Leu Trp Leu
 1 5 10 15
 Trp Arg Trp Phe Ser Arg Trp Gly Leu Gly Gly Leu Cys Trp Arg Pro
 20 25 30
 Cys Thr Cys Thr Pro Cys His Ser Ala Ser Pro Gly Ala Gly Arg *
 35 40 45 47

<210> 1264
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1264
 Met Met Tyr Ile Leu Phe Leu Gln Ala Phe Ile Leu Asp Tyr Tyr Gln
 1 5 10 15
 Tyr Phe Leu Gly Leu Asn Cys Val Tyr Ser Tyr Gln Ser Lys Lys Asp
 20 25 30
 Phe Ser Gln Ile Trp Ser Gln Gly Trp Phe Ala Leu Leu Trp Ile Leu
 35 40 45
 Cys Leu Ser Arg Ile Leu Glu Ser Phe Phe Phe Leu *
 50 55 60

<210> 1265
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1265
 Met Val Gly Phe Leu Cys Cys Phe Tyr Leu Phe Gln Leu Leu Gly Pro
 1 5 10 15
 Gly Leu Leu Cys Leu Pro Lys Ala Val Leu Ser Phe Leu Gly Leu Leu
 20 25 30
 Glu Ala Ala His His Leu Leu Val Lys Gly Phe Leu Leu Pro Val Leu
 35 40 45
 Asp Leu Pro Gln Val Ile Val His Gln *
 50 55 57

<210> 1266
 <211> 148

<212> PRT

<213> Homo sapiens

<400> 1266

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Met Ala Leu Gln Leu Trp Ala Leu Thr Leu Leu Gly Leu Leu Gly Ala
 1          5          10          15
Gly Ala Ser Leu Arg Pro Arg Lys Leu Asp Phe Phe Arg Ser Glu Lys
          20          25          30
Glu Leu Asn His Leu Ala Val Asp Glu Ala Ser Gly Val Val Tyr Leu
          35          40          45
Gly Ala Val Asn Ala Leu Tyr Gln Leu Asp Ala Lys Leu Gln Leu Glu
          50          55          60
Gln Gln Val Ala Thr Gly Pro Val Leu Asp Asn Lys Lys Cys Thr Pro
          65          70          75          80
Pro Ile Glu Ala Ser Gln Cys His Glu Ala Glu Met Thr Asp Asn Val
          85          90          95
Asn Gln Leu Leu Leu Val Asp Pro Pro Arg Lys Arg Leu Val Glu Cys
          100          105          110
Gly Gln Leu Leu Lys Gly Ile Leu Arg Ser Ala Arg Pro Glu Gln His
          115          120          125
Leu Pro Pro Pro Val Leu Arg Gly Arg Gln Arg Gly Glu Val Phe Arg
          130          135          140
Gly Gln Gln *
145          147

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<210> 1267

<211> 227

<212> PRT

<213> Homo sapiens

<400> 1267

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Met Arg Trp Leu Trp Pro Leu Ala Val Ser Leu Ala Val Ile Leu Ala
 1          5          10          15
Val Gly Leu Ser Arg Val Ser Gly Gly Ala Pro Leu His Leu Gly Arg
          20          25          30
His Arg Ala Glu Thr Gln Glu Gln Gln Ser Arg Ser Lys Arg Gly Thr
          35          40          45
Glu Asp Glu Glu Ala Lys Gly Val Gln Gln Tyr Val Pro Glu Glu Trp
          50          55          60
Ala Glu Tyr Pro Arg Pro Ile His Pro Ala Gly Leu Gln Pro Thr Lys
          65          70          75          80
Pro Leu Val Ala Thr Ser Pro Asn Pro Asp Lys Asp Gly Gly Thr Pro
          85          90          95
Asp Ser Gly Gln Glu Leu Arg Gly Asn Leu Thr Gly Ala Pro Gly Gln
          100          105          110
Arg Leu Gln Ile Gln Asn Pro Leu Tyr Pro Val Thr Glu Ser Ser Tyr
          115          120          125
Ser Ala Tyr Ala Ile Met Leu Leu Ala Leu Val Glu Phe Ala Ala Gly
          130          135          140
Ile Val Gly Asn Leu Ser Val Met Cys Ile Ala Trp His Ser Tyr Tyr
145          150          155          160
Leu Lys Ser Ala Trp Asn Ser Ile Leu Ala Ser Leu Ala Leu Trp Asp
          165          170          175
Phe Leu Val Leu Phe Phe Cys Leu Pro Ile Val Ile Leu Asn Glu Ile
          180          185          190

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Thr Lys Gln Arg Leu Leu Gly Asp Ala Pro Cys Pro Cys Arg Ala Leu
 195 200 205
 His Gly Gly Leu Leu Ser Gly Ser His Asp Phe Gln Pro Leu Cys Pro
 210 215 220
 Gly His *
 225 226

<210> 1268
 <211> 983
 <212> PRT
 <213> Homo sapiens

<400> 1268
 Met Leu Gly Asn Val Leu Leu Leu Cys Phe Phe Val Phe Phe Ile Phe
 1 5 10 15
 Gly Ile Val Gly Val Gln Leu Trp Ala Gly Leu Leu Arg Asn Arg Cys
 20 25 30
 Phe Leu Pro Glu Asn Phe Ser Leu Pro Leu Ser Val Asp Leu Glu Arg
 35 40 45
 Tyr Tyr Gln Thr Glu Asn Glu Asp Glu Ser Pro Phe Ile Cys Ser Gln
 50 55 60
 Pro Arg Glu Asn Gly Met Arg Ser Cys Arg Ser Val Pro Thr Leu Arg
 65 70 75 80
 Gly Asp Gly Gly Gly Gly Pro Pro Cys Gly Leu Asp Tyr Glu Ala Tyr
 85 90 95
 Asn Ser Ser Ser Asn Thr Thr Cys Val Asn Trp Asn Gln Tyr Tyr Thr
 100 105 110
 Asn Cys Ser Ala Gly Glu His Asn Pro Phe Lys Gly Ala Ile Asn Phe
 115 120 125
 Asp Asn Ile Gly Tyr Ala Trp Ile Ala Ile Phe Gln Val Ile Thr Leu
 130 135 140
 Glu Gly Trp Val Asp Ile Met Tyr Phe Val Met Asp Ala His Ser Phe
 145 150 155 160
 Tyr Asn Phe Ile Tyr Phe Ile Leu Leu Ile Ile Val Gly Ser Phe Phe
 165 170 175
 Met Ile Asn Leu Cys Leu Val Val Ile Ala Thr Gln Phe Ser Glu Thr
 180 185 190
 Lys Gln Arg Glu Ser Gln Leu Met Arg Glu Gln Arg Val Arg Phe Leu
 195 200 205
 Ser Asn Ala Ser Thr Leu Ala Ser Phe Ser Glu Pro Gly Ser Cys Tyr
 210 215 220
 Glu Glu Leu Leu Lys Tyr Leu Val Tyr Ile Leu Arg Lys Ala Ala Arg
 225 230 235 240
 Arg Leu Ala Gln Val Ser Arg Ala Ala Gly Val Arg Val Gly Leu Leu
 245 250 255
 Ser Ser Pro Ala Pro Leu Gly Gly Gln Glu Thr Gln Pro Ser Ser Ser
 260 265 270
 Cys Ser Arg Ser His Arg Arg Leu Ser Val His His Leu Val His His
 275 280 285
 His His His His His His Tyr His Leu Gly Asn Gly Thr Leu Arg
 290 295 300
 Ala Pro Arg Ala Ser Pro Glu Ile Gln Asp Arg Asp Ala Asn Gly Ser
 305 310 315 320
 Arg Arg Leu Met Leu Pro Pro Pro Ser Thr Pro Ala Leu Ser Gly Ala
 325 330 335
 Pro Pro Gly Gly Ala Glu Ser Val His Ser Phe Tyr His Ala Asp Cys

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Ser Leu Pro Lys Ser Thr Ser Thr Gly Leu Gly Glu Ala Leu Gly Pro
 820 825 830
 Ala Ser Arg Arg Thr Ser Ser Ser Gly Ser Ala Glu Pro Gly Ala Ala
 835 840 845
 His Glu Met Lys Ser Pro Pro Ser Ala Arg Ser Ser Pro His Ser Pro
 850 855 860
 Trp Ser Ala Ala Ser Ser Trp Thr Ser Arg Arg Ser Ser Arg Asn Ser
 865 870 875 880
 Leu Gly Arg Ala Pro Ser Leu Lys Arg Arg Ser Pro Ser Gly Glu Arg
 885 890 895
 Arg Ser Leu Leu Ser Gly Glu Gly Gln Glu Ser Gln Asp Glu Glu Glu
 900 905 910
 Ser Ser Glu Glu Glu Arg Ala Ser Pro Ala Gly Ser Asp His Arg His
 915 920 925
 Arg Gly Ser Leu Glu Arg Glu Ala Lys Ser Ser Phe Asp Leu Pro Asp
 930 935 940
 Thr Leu Gln Val Pro Gly Leu His Arg Thr Ala Ser Gly Arg Gly Ser
 945 950 955 960
 Ala Ser Glu His Gln Gly Leu Gln Trp Gln Val Gly Phe Arg Ala Pro
 965 970 975
 Gly Pro Gly Pro Ala *
 980 982

<210> 1269

<211> 708

<212> PRT

<213> Homo sapiens

<400> 1269

Met Leu Ser Leu Arg Arg Cys Thr Ser Met Arg Leu Cys Leu Ser Ser
 1 5 10 15
 Ser Leu Ala Ser Pro Cys Ser Thr Met Leu Ser Thr Val Val Leu Tyr
 20 25 30
 Lys Val Cys Asn Ser Phe Val Glu Met Gly Ser Ala Asn Val Gln Ala
 35 40 45
 Thr Asp Tyr Leu Lys Gly Val Ala Ser Leu Phe Val Val Ser Leu Gly
 50 55 60
 Gly Ala Ala Val Gly Leu Val Phe Ala Phe Leu Leu Ala Leu Thr Thr
 65 70 75 80
 Arg Phe Thr Lys Arg Val Arg Ile Ile Glu Pro Leu Leu Val Phe Leu
 85 90 95
 Leu Ala Tyr Ala Ala Tyr Leu Thr Ala Glu Met Ala Ser Leu Ser Ala
 100 105 110
 Ile Leu Ala Val Thr Met Cys Gly Leu Gly Cys Lys Lys Tyr Val Glu
 115 120 125
 Ala Asn Ile Ser His Lys Ser Arg Thr Thr Val Lys Tyr Thr Met Lys
 130 135 140
 Thr Leu Ala Ser Cys Ala Glu Thr Val Ile Phe Met Leu Leu Gly Ile
 145 150 155 160
 Ser Thr Val Asp Ser Ser Lys Trp Ala Trp Asp Ser Gly Leu Val Leu
 165 170 175
 Gly Thr Leu Ile Phe Ile Leu Phe Phe Arg Ala Leu Gly Val Val Leu
 180 185 190
 Gln Thr Trp Val Leu Asn Gln Phe Arg Leu Val Pro Leu Asp Lys Ile
 195 200 205
 Asp Gln Val Val Met Ser Tyr Gly Gly Leu Arg Gly Ala Val Ala Phe

210	215	220
Ala Leu Val Ile Leu Leu Asp Arg Thr Lys Val Pro Ala Lys Asp Tyr		
225	230	235
Phe Val Ala Thr Thr Ile Val Val Val Phe Thr Val Ile Val Gln		240
	245	250
Gly Leu Thr Ile Lys Pro Leu Val Lys Trp Leu Lys Val Lys Arg Ser		255
	260	265
Glu His His Lys Pro Thr Leu Asn Gln Glu Leu His Glu His Thr Phe		270
	275	280
Asp His Ile Leu Ala Ala Val Glu Asp Val Val Gly His His Gly Tyr		285
	290	295
His Tyr Trp Arg Asp Arg Trp Glu Gln Phe Asp Lys Lys Tyr Leu Ser		300
305	310	315
Gln Leu Leu Met Arg Arg Ser Ala Tyr Arg Ile Arg Asp Gln Ile Trp		320
	325	330
Asp Val Tyr Tyr Arg Leu Asn Ile Arg Asp Ala Ile Ser Phe Val Asp		335
	340	345
Gln Gly Gly His Val Leu Ser Ser Thr Gly Leu Thr Leu Pro Ser Met		350
	355	360
Pro Ser Arg Asn Ser Val Ala Glu Thr Ser Val Thr Asn Leu Leu Arg		365
	370	375
Glu Ser Gly Ser Gly Ala Cys Leu Asp Leu Gln Val Ile Asp Thr Val		380
385	390	395
Arg Ser Gly Arg Asp Arg Glu Asp Ala Val Met His His Leu Leu Cys		400
	405	410
Gly Gly Leu Tyr Lys Pro Arg Arg Arg Tyr Lys Ala Ser Cys Ser Arg		415
	420	425
His Phe Ile Ser Glu Asp Ala Gln Glu Arg Gln Asp Lys Glu Val Phe		430
	435	440
Gln Gln Asn Met Lys Arg Arg Leu Glu Ser Phe Lys Ser Thr Lys His		445
	450	455
Asn Ile Cys Phe Thr Lys Ser Lys Pro Arg Pro Arg Lys Thr Gly Arg		460
465	470	475
Arg Lys Lys Asp Gly Val Ala Asn Ala Glu Ala Thr Asn Gly Lys His		480
	485	490
Arg Gly Leu Gly Phe Gln Asp Thr Ala Ala Val Ile Leu Thr Val Glu		495
	500	505
Ser Glu Glu Glu Glu Glu Glu Ser Asp Ser Ser Glu Thr Glu Lys Glu		510
	515	520
Asp Asp Glu Gly Ile Ile Phe Val Ala Arg Ala Thr Ser Glu Val Leu		525
	530	535
Gln Glu Gly Lys Val Ser Gly Ser Leu Glu Val Cys Pro Ser Pro Arg		540
545	550	555
Ile Ile Pro Pro Ser Pro Thr Cys Ala Glu Lys Glu Leu Pro Trp Lys		560
	565	570
Ser Gly Gln Gly Asp Leu Ala Val Tyr Val Ser Ser Glu Thr Thr Lys		575
	580	585
Ile Val Pro Val Asp Met Gln Thr Gly Trp Asn Gln Ser Ile Ser Ser		590
	595	600
Leu Glu Ser Leu Ala Ser Pro Pro Cys Asn Gln Ala Pro Ile Leu Thr		605
	610	615
Cys Leu Pro Pro His Pro Arg Gly Thr Glu Glu Pro Gln Val Pro Leu		620
625	630	635
His Leu Pro Ser Asp Pro Arg Ser Ser Phe Ala Phe Pro Pro Ser Leu		640
	645	650
Ala Lys Ala Gly Arg Ser Arg Ser Glu Ser Ser Ala Asp Leu Pro Gln		655
	660	665
Gln Gln Glu Leu Gln Pro Leu Met Gly His Lys Asp His Thr His Leu		670
	675	680
		685

Ser Pro Gly Thr Ala Thr Ser His Trp Cys Ile Gln Phe Asn Arg Gly
 690 695 700
 Ser Arg Leu *
 705 707

<210> 1270
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1270
 Met Leu Gln Ala Ala Leu Trp Cys Gly Ile Gly Leu Tyr Leu Val Thr
 1 5 10 15
 Leu Arg Leu Gly Val Glu Val Thr Pro Glu Ser Gln His Phe Gly Arg
 20 25 30
 Pro Arg Arg Ala Asp His Leu Arg Pro Gly Gly Arg Gly Gln Ser Gly
 35 40 45
 Gln His Gly Glu Thr Pro Ser Leu Leu Glu Ile Gln Lys Ile Ser Trp
 50 55 60
 Met Trp Trp His Ile Pro Val Ile Pro Ala Thr Trp Glu Ala Glu Ala
 65 70 75 80
 Gly Glu Ser Leu Glu Arg Gly Arg Trp Arg Leu Gln *
 85 90 92

<210> 1271
 <211> 648
 <212> PRT
 <213> Homo sapiens

<400> 1271
 Met Leu Trp Val Thr Gly Pro Val Leu Ala Val Ile Leu Ile Ile Leu
 1 5 10 15
 Ile Val Ile Ala Ile Leu Leu Phe Lys Arg Lys Arg Thr His Ser Pro
 20 25 30
 Ser Ser Lys Asp Glu Gln Ser Ile Gly Leu Lys Asp Ser Leu Leu Ala
 35 40 45
 His Ser Ser Asp Pro Val Glu Met Arg Arg Leu Asn Tyr Gln Thr Pro
 50 55 60
 Gly Met Arg Asp His Pro Pro Ile Pro Ile Thr Asp Leu Ala Asp Asn
 65 70 75 80
 Ile Glu Arg Leu Lys Ala Asn Asp Gly Leu Lys Phe Ser Gln Glu Tyr
 85 90 95
 Glu Ser Ile Asp Pro Gly Gln Gln Phe Thr Trp Glu Asn Ser Asn Leu
 100 105 110
 Glu Val Asn Lys Pro Lys Asn Arg Tyr Ala Asn Val Ile Ala Tyr Asp
 115 120 125
 His Ser Arg Val Ile Leu Thr Ser Ile Asp Gly Val Pro Gly Ser Asp
 130 135 140
 Tyr Ile Asn Ala Asn Tyr Ile Asp Gly Tyr Arg Lys Gln Asn Ala Tyr
 145 150 155 160
 Ile Ala Thr Gln Gly Pro Leu Pro Glu Thr Met Gly Asp Phe Trp Arg
 165 170 175
 Met Val Trp Glu Gln Arg Thr Ala Thr Val Val Met Met Thr Arg Leu

			180					185					190			
Glu	Glu	Lys	Ser	Arg	Val	Lys	Cys	Asp	Gln	Tyr	Trp	Pro	Ala	Arg	Gly	
		195					200					205				
Thr	Glu	Thr	Cys	Gly	Leu	Ile	Gln	Val	Thr	Leu	Leu	Asp	Thr	Val	Glu	
	210					215					220					
Leu	Ala	Thr	Tyr	Thr	Val	Arg	Thr	Phe	Ala	Leu	His	Lys	Ser	Gly	Ser	
225					230					235					240	
Ser	Glu	Lys	Arg	Glu	Leu	Arg	Gln	Phe	Gln	Phe	Met	Ala	Trp	Pro	Asp	
				245					250					255		
His	Gly	Val	Pro	Glu	Tyr	Pro	Thr	Pro	Ile	Leu	Ala	Phe	Leu	Arg	Arg	
			260					265					270			
Val	Lys	Ala	Cys	Asn	Pro	Leu	Asp	Ala	Gly	Pro	Met	Val	Val	His	Cys	
		275					280					285				
Ser	Ala	Gly	Val	Gly	Arg	Thr	Gly	Cys	Phe	Ile	Val	Ile	Asp	Ala	Met	
	290					295					300					
Leu	Glu	Arg	Met	Lys	His	Glu	Lys	Thr	Val	Asp	Ile	Tyr	Gly	His	Val	
305					310					315					320	
Thr	Cys	Met	Arg	Ser	Gln	Arg	Asn	Tyr	Met	Val	Gln	Thr	Glu	Asp	Gln	
				325					330					335		
Tyr	Val	Phe	Ile	His	Glu	Ala	Leu	Leu	Glu	Ala	Ala	Thr	Cys	Gly	His	
			340					345					350			
Thr	Glu	Val	Pro	Ala	Arg	Asn	Leu	Tyr	Ala	His	Ile	Gln	Lys	Leu	Gly	
		355					360					365				
Gln	Val	Pro	Pro	Gly	Glu	Ser	Val	Thr	Ala	Met	Glu	Leu	Glu	Phe	Lys	
	370					375					380					
Leu	Leu	Ala	Ser	Ser	Lys	Ala	His	Thr	Ser	Arg	Phe	Ile	Ser	Ala	Asn	
385					390					395					400	
Leu	Pro	Cys	Asn	Lys	Phe	Lys	Asn	Arg	Leu	Val	Asn	Ile	Met	Pro	Tyr	
			405						410					415		
Glu	Leu	Thr	Arg	Val	Cys	Leu	Gln	Pro	Ile	Arg	Gly	Val	Glu	Gly	Ser	
			420					425					430			
Asp	Tyr	Ile	Asn	Ala	Ser	Phe	Leu	Asp	Gly	Tyr	Arg	Gln	Gln	Lys	Ala	
		435					440					445				
Tyr	Ile	Ala	Thr	Gln	Gly	Pro	Leu	Ala	Glu	Ser	Thr	Glu	Asp	Phe	Trp	
	450					455						460				
Arg	Met	Leu	Trp	Glu	His	Asn	Ser	Thr	Ile	Ile	Val	Met	Leu	Thr	Lys	
465					470						475				480	
Leu	Arg	Glu	Met	Gly	Arg	Glu	Lys	Cys	His	Gln	Tyr	Trp	Pro	Ala	Glu	
				485					490					495		
Arg	Ser	Ala	Arg	Tyr	Gln	Tyr	Phe	Val	Val	Asp	Pro	Met	Ala	Glu	Tyr	
			500					505					510			
Asn	Met	Pro	Gln	Tyr	Ile	Leu	Arg	Glu	Phe	Lys	Val	Thr	Asp	Ala	Arg	
		515					520									

<210> 1272
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1272
 Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 1 5 10 15
 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
 20 25 30
 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
 35 40 45
 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
 50 55 60
 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
 65 70 75 80
 Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
 85 90 95
 Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro *
 100 105 108

<210> 1273
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1273
 Met Phe Phe Val Pro Ile Leu Leu Cys Leu Leu Leu Leu Ile Tyr Asn
 1 5 10 15
 Ile Ile Cys Phe Asn Met Glu His Pro Thr Gly Ala Gly Leu Arg Cys
 20 25 30
 Ser Leu Leu Ala Ala Pro Lys Glu Arg Gln His Arg His His Phe Val
 35 40 45
 Phe His Ile Asp Thr Asn His *
 50 55

<210> 1274
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 1274
 Met Asp Leu Ser Leu Leu Trp Val Leu Leu Pro Leu Val Thr Met Ala
 1 5 10 15
 Trp Gly Gln Tyr Gly Asp Tyr Gly Tyr Pro Tyr Gln Gln Tyr His Asp
 20 25 30
 Tyr Ser Asp Asp Gly Trp Val Asn Leu Asn Arg Gln Gly Phe Ser Tyr
 35 40 45
 Gln Cys Pro Gln Gly Gln Val Ile Val Ala Val Arg Ser Ile Phe Ser

50	55	60
Lys Lys Glu Gly Ser Asp Arg Gln Trp Asn Tyr Ala Cys Met Pro Thr		
65	70	75
Pro Gln Ser Leu Gly Glu Pro Thr Glu Cys Trp Trp Glu Glu Ile Asn		80
	85	90
Arg Ala Gly Met Glu Trp Tyr Gln Thr Cys Ser Asn Asn Gly Leu Val		95
	100	105
Ala Gly Phe Gln Ser Arg Tyr Phe Glu Ser Val Leu Asp Arg Glu Trp		110
	115	120
Gln Phe Tyr Cys Cys Arg Tyr Ser Lys Arg Cys Pro Tyr Ser Cys Trp		125
	130	135
Leu Thr Thr Glu Tyr Pro Gly His Tyr Gly Glu Glu Met Asp Met Ile		140
145	150	155
Ser Tyr Asn Tyr Asp Tyr Tyr Ile Arg Gly Ala Thr Thr His Phe Leu		160
	165	170
Cys Ser Gly Lys Gly Ser Pro Ser Gly Ser Ser *		175
	180	185
		187

<210> 1275
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1275

Met Val Ala Leu Thr Ile Gln Thr Trp His Trp Leu Met Thr Val Ala	
1	5
Glu Leu Leu Ser Leu Ala Cys Tyr Ile Ala Ser Leu Val Phe Leu His	10
	15
	20
Glu Phe Ile Asp Val Tyr Phe Ile Ala Thr Leu Ser Phe Leu Trp Lys	25
	30
	35
Val Ser Val Ile Thr Leu Val Ser Cys Leu Pro Leu Tyr Val Leu Lys	40
	45
	50
Tyr Leu Arg Arg Arg Phe Ser Pro Pro Ser Tyr Ser Lys Leu Thr Ser	55
	60
65	70
	75
	80

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<210> 1276
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1276

Met Leu Asp Leu Val Ala Leu Leu Tyr Gln Ala Val Leu Leu Pro Ala	
1	5
Ile Leu Leu Leu Pro Leu Cys Gln Leu Glu Met Phe Leu Met Leu Gln	10
	15
	20
Leu Asn Arg Gln Ser Leu Lys Lys Tyr Leu Ile Leu *	25
	30
	35
	40
	45

<210> 1277

<211> 431
 <212> PRT
 <213> Homo sapiens

<400> 1277
 Met Ala Leu Leu Val Pro Leu Ala Leu Leu Val Ile Gln Ala His Leu
 1 5 10 15
 Val Leu Ser Val Gln Leu Glu Arg Val Val Thr Glu Glu Lys Val Ala
 20 25 30
 Leu Leu Ala Leu Leu Val Leu Pro Val Leu Leu Val Pro Glu Val Leu
 35 40 45
 Leu Val Leu Lys Ala His Val Val Thr Lys Val Lys Gln Val Asn Val
 50 55 60
 Glu Leu Leu Ala Ser Lys Asp Ile Glu Asp Ser Leu Val Ile Gln Val
 65 70 75 80
 Pro Gln Val Leu Gln Ala Leu Leu Val Ser Arg Val Gln Ser Ala Val
 85 90 95
 Gln Asp Leu Gln Ala Pro Glu Asp Leu Leu Asp Pro Val Asp Leu Leu
 100 105 110
 Ala Lys Met Glu Pro Val Asp Ile Gln Val Pro Leu Asp His Gln Gly
 115 120 125
 Leu Glu Val Thr Glu Val Lys Glu Asp Leu Arg Ala Pro Gln Ala Thr
 130 135 140
 Gln Gly Asn Gln Ala Leu Leu Asp Leu Leu Val Pro Leu Val Leu Ala
 145 150 155 160
 Val Val Val Leu Glu Pro Leu Pro Leu Leu Gly Leu Glu Val Lys Lys
 165 170 175
 Leu Ala Gly Phe Ala Pro Tyr Tyr Gly Asp Glu Pro Met Asp Phe Lys
 180 185 190
 Ile Asn Thr Asp Glu Ile Met Thr Ser Leu Lys Ser Val Asn Gly Gln
 195 200 205
 Ile Glu Ser Leu Ile Ser Pro Asp Gly Ser Arg Lys Asn Pro Ala Arg
 210 215 220
 Asn Cys Arg Asp Leu Lys Phe Cys His Pro Glu Leu Lys Ser Gly Glu
 225 230 235 240
 Tyr Trp Val Asp Pro Asn Gln Gly Cys Lys Leu Asp Ala Ile Lys Val
 245 250 255
 Phe Cys Asn Met Glu Thr Gly Glu Thr Cys Ile Ser Ala Asn Pro Leu
 260 265 270
 Asn Val Pro Arg Lys His Trp Trp Thr Asp Ser Ser Ala Glu Lys Lys
 275 280 285
 His Val Trp Phe Gly Glu Ser Met Asp Gly Gly Phe Gln Phe Ser Tyr
 290 295 300
 Gly Asn Pro Glu Leu Pro Glu Asp Val Leu Asp Val Gln Leu Ala Phe
 305 310 315 320
 Leu Arg Leu Leu Ser Ser Arg Ala Ser Gln Asn Ile Thr Tyr His Cys
 325 330 335
 Lys Asn Ser Ile Ala Tyr Met Asp Gln Ala Ser Gly Asn Val Lys Lys
 340 345 350
 Ala Leu Lys Leu Met Gly Ser Asn Glu Gly Glu Phe Lys Ala Glu Gly
 355 360 365
 Asn Ser Lys Phe Thr Tyr Thr Val Leu Glu Asp Gly Cys Thr Lys His
 370 375 380
 Thr Gly Glu Trp Ser Lys Thr Val Phe Glu Tyr Arg Thr Arg Lys Ala
 385 390 395 400
 Val Arg Leu Pro Ile Val Asp Ile Ala Pro Tyr Asp Ile Gly Gly Pro
 405 410 415
 Asp Gln Glu Phe Gly Val Asp Val Gly Pro Val Cys Phe Leu *

420

425

430

<210> 1278
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1278
 Met Leu Leu Tyr Val Phe Lys Phe Leu Gly Leu Phe Gln Phe Phe His
 1 5 10 15
 Ser Phe Cys Thr Ala Tyr Gly Pro Pro Gly Gly Cys Gly Asp Ser Gly
 20 25 30
 Glu Glu Thr Ser Leu Phe Phe Glu Gln Leu Asp Pro Ala Phe Trp Leu
 35 40 45
 Ala Asn Cys Ser *
 50 52

<210> 1279
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1279
 Met Leu Gly Ser Ile Cys Asn Val Met Leu Leu Met Leu Ala Ala Ser
 1 5 10 15
 Ile Pro Glu Ile Cys Thr Phe Gly Pro Thr Lys Leu Ala Ala Asn Cys
 20 25 30
 Asn Trp Met Pro Ser Arg Val Ala Arg Leu Pro Ser Val Arg Asp Thr
 35 40 45
 Val Arg Ser Pro Pro Ala Asp Thr Glu Ala Gly Arg Ile Ala Trp Pro
 50 55 60
 Thr Ser Pro Gly Cys Ser Arg Phe *
 65 70 72

<210> 1280
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 1280
 Met Leu Leu Leu Leu Glu Arg Met Ala Leu Cys Pro Val Leu Asp Val
 1 5 10 15
 His Thr His Leu Gly Cys Ile Ile Cys Val Phe Asp Val Ala Leu Ser
 20 25 30
 Arg Glu Leu Ala Leu Leu Cys Arg Lys Ser Asn Trp Trp Val Ile Asn
 35 40 45
 Trp Leu *
 50

<210> 1281
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 1281
 Met Lys Ser Gly Ser Gly Gly Gly Ser Pro Thr Ser Leu Trp Gly Leu
 1 5 10 15
 Leu Phe Leu Ser Ala Ala Leu Ser Leu Trp Pro Thr Ser Gly Glu Ile
 20 25 30
 Cys Gly Pro Gly Ile Asp Ile Arg Asn Asp Tyr Gln Gln Leu Lys Arg
 35 40 45
 Leu Glu Asn Cys Thr Val Ile Glu Gly Tyr Leu His Ile Leu Leu Ile
 50 55 60
 Ser Lys Ala Glu Asp Tyr Arg Ser Tyr Arg Phe Pro Lys Leu Thr Val
 65 70 75 80
 Ile Thr Glu Tyr Leu Leu Leu Phe Arg Val Ala Gly Leu Glu Ser Leu
 85 90 95
 Gly Asp Leu Phe Pro Asn Leu Thr Val Ile Arg Gly Trp Lys Leu Phe
 100 105 110
 Tyr Asn Tyr Ala Leu Val Ile Phe Glu Met Thr Asn Leu Lys Asp Ile
 115 120 125
 Gly Leu Tyr Asn Leu Arg Asn Ile Thr Arg Gly Gly His Gln Asp *
 130 135 140 143

<210> 1282
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 1282
 Met Gly Pro Pro Ser Ala Cys Pro His Arg Glu Cys Ile Pro Trp Gln
 1 5 10 15
 Gly Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Ala Pro Thr
 20 25 30
 Thr Ala Trp Leu Phe Ile Ala Ser Ala Pro Phe Glu Val Ala Glu Gly
 35 40 45
 Glu Asn Val His Leu Ser Val Val Tyr Leu Pro Glu Asn Leu Tyr Ser
 50 55 60
 Tyr Gly Trp Tyr Lys Gly Lys Thr Val Glu Pro Asn Gln Leu Ile Ala
 65 70 75 80
 Ala Tyr Val Ile Asp Asp Thr His Val Arg Thr Pro Gly Pro Ala Tyr
 85 90 95
 Ser Gly Arg Glu Thr Ile Ser Pro Ser Gly Asp Leu His Phe Gln Asn
 100 105 110
 Val Thr Leu Glu Asp Thr Gly Tyr Tyr Asn Leu Gln Val Thr Tyr Arg
 115 120 125
 Asn Ser Gln Ile Glu Gln Ala Ser His His Leu Arg Val Tyr Gln Val
 130 135 140
 Ser Gly Leu Thr Pro Pro Ser Lys Pro Ala Ala Pro Gln Ser Pro Arg
 145 150 155 160
 Arg Ala Pro Gly Val Leu Thr Cys His Thr Asn Asn Thr Gly Thr Ser
 165 170 175
 Phe Gln Trp Ile Phe Asn Asn Gln Arg Leu Gln Val Thr Lys Arg Met

			180					185				190				
Lys	Leu	Ser	Trp	Phe	Asn	His	Met	Leu	Thr	Ile	Asp	Pro	Ile	Arg	Gln	
		195					200					205				
Glu	Asp	Ala	Gly	Glu	Tyr	Gln	Cys	Glu	Val	Ser	Asn	Pro	Val	Ser	Ser	
	210					215					220					
Asn	Arg	Ser	Asp	Pro	Leu	Lys	Leu	Thr	Val	Lys	Ser	Asp	Asp	Asn	Thr	
225					230					235					240	
Leu	Gly	Ile	Leu	Ile	Gly	Val	Leu	Val	Gly	Ser	Leu	Leu	Val	Ala	Ala	
			245						250						255	
Leu	Val	Cys	Phe	Leu	Leu	Leu	Arg	Lys	Thr	Gly						
			260					265		267						

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<210> 1283
<211> 262
<212> PRT
<213> Homo sapiens
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[illegible]

<210> 1284

<211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1284
 Met Val Ile Leu Pro Leu Leu Leu Leu Ile Thr Thr Pro Pro Met Thr
 1 5 10 15
 Phe Leu Ala Phe Leu Leu Thr Leu Ile Leu Ser Cys Lys Asn Cys Ser
 20 25 30
 Lys Leu Ala Ala Ser Met Ile Arg Leu Leu Trp Gly Gly Cys Asn Gln
 35 40 45
 Glu *
 49

<210> 1285
 <211> 323
 <212> PRT
 <213> Homo sapiens

<400> 1285
 Met Leu Val Met Ala Pro Arg Thr Val Leu Leu Leu Leu Ser Ala Ala
 1 5 10 15
 Leu Ala Leu Thr Glu Thr Trp Ala Gly Ser His Ser Met Arg Tyr Phe
 20 25 30
 Tyr Thr Ser Val Ser Arg Pro Gly Arg Gly Glu Pro Arg Phe Ile Ser
 35 40 45
 Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp Ser Asp Ala
 50 55 60
 Ala Ser Pro Arg Glu Glu Pro Arg Ala Pro Trp Ile Glu Gln Glu Gly
 65 70 75 80
 Pro Glu Tyr Trp Asp Arg Asn Thr Gln Ile Tyr Lys Ala Gln Ala Gln
 85 90 95
 Thr Asp Arg Glu Ser Leu Arg Asn Leu Arg Gly Tyr Tyr Asn Gln Ser
 100 105 110
 Glu Ala Gly Ser His Thr Leu Gln Ser Met Tyr Gly Cys Asp Val Gly
 115 120 125
 Pro Asp Gly Arg Leu Leu Arg Gly His Asp Gln Tyr Ala Tyr Asp Gly
 130 135 140
 Lys Asp Tyr Ile Ala Leu Asn Glu Asp Leu Arg Ser Trp Thr Ala Ala
 145 150 155 160
 Asp Thr Ala Ala Gln Ile Thr Gln Arg Lys Trp Glu Ala Ala Arg Glu
 165 170 175
 Ala Glu Gln Arg Arg Ala Tyr Leu Glu Gly Glu Cys Val Glu Trp Leu
 180 185 190
 Arg Arg Tyr Leu Glu Asn Gly Lys Asp Lys Leu Glu Arg Ala Asp Pro
 195 200 205
 Pro Lys Thr His Val Thr His His Pro Ile Ser Asp His Glu Ala Thr
 210 215 220
 Leu Arg Cys Trp Ala Leu Gly Phe Tyr Pro Ala Glu Ile Thr Leu Thr
 225 230 235 240
 Trp Gln Arg Asp Gly Glu Asp Gln Thr Gln Asp Thr Glu Leu Val Glu
 245 250 255
 Thr Arg Pro Ala Gly Asp Arg Thr Phe Gln Lys Val Gly Gln Leu Trp
 260 265 270
 Val Val Pro Ser Gly Glu Glu Gln Arg Tyr Thr Cys His Val Gln His

275 280 285
 Val Gly Ala Ala Glu Ala Pro His Pro Ser Glu Met Gly Ser Gly Leu
 290 295 300
 Pro Ser Ser Thr Val Pro His Arg Trp Ala Leu Val Leu Gly Leu Gly
 305 310 315 320
 Cys Pro *
 322

<210> 1286
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 1286
 Met Leu Leu Phe Leu Leu Ser Ala Leu Val Leu Leu Thr Gln Pro Leu
 1 5 10 15
 Gly Tyr Leu Glu Ala Glu Met Lys Thr Tyr Ser His Arg Thr Met Pro
 20 25 30
 Ser Ala Cys Thr Leu Val Met Cys Ser Ser Val Glu Ser Gly Leu Pro
 35 40 45
 Gly Arg Asp Gly Arg Asp Gly Arg Glu Gly Pro Arg Gly Glu Lys Gly
 50 55 60
 Asp Pro Gly Leu Pro Gly Ala Ala Gly Gln Ala Gly Met Pro Gly Gln
 65 70 75 80
 Ala Gly Pro Val Gly Pro Lys Gly Asp Asn Gly Ser Val Gly Glu Pro
 85 90 95
 Gly Pro Lys Gly Asp Thr Gly Pro Ser Gly Pro Pro Gly Pro Pro Gly
 100 105 110
 Val Pro Gly Pro Ala Gly Arg Glu Gly Pro Leu Gly Lys Gln Gly Asn
 115 120 125
 Ile Gly Pro Gln Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Lys
 130 135 140
 Gly Glu Val Gly Ala Pro Gly Met Gln Gly Ser Ala Gly Ala Arg Gly
 145 150 155 160
 Leu Ala Gly Pro Lys Gly Glu Arg Gly Val Pro Gly Glu Arg Gly Val
 165 170 175
 Pro Gly Asn Thr Gly Ala Ala Gly Ser Ala Gly Ala Met Gly Pro Gln
 180 185 190
 Gly Ser Pro Gly Ala Arg Gly Pro Pro Gly Leu Lys Gly Asp Lys Gly
 195 200 205
 Ile Pro Gly Asp Lys Gly Ala Lys Gly Glu Ser Gly Leu Pro Asp Val
 210 215 220
 Ala Ser Leu Arg Gln Gln Val Glu Ala Leu Gln Gly Gln Val Gln His
 225 230 235 240
 Leu Gln Ala Ala Phe Ser Gln Tyr Lys Lys Val Glu Leu Phe Pro Asn
 245 250 255
 Gly Gln Ser Val Gly Glu Lys Ile Phe Lys Thr Ala Gly Phe Val Lys
 260 265 270
 Pro Phe Thr Glu Ala Gln Leu Leu Cys Thr Gln Ala Gly Gly Gln Leu
 275 280 285
 Ala Ser Pro Arg Ser Ala Ala Glu Asn Ala Pro Leu Ala Thr Ala Gly
 290 295 300
 Pro *
 305

<210> 1287
 <211> 299
 <212> PRT
 <213> Homo sapiens

<400> 1287
 Met Gly Arg Trp Ala Leu Asp Val Ala Phe Leu Trp Lys Ala Val Leu
 1 5 10 15
 Thr Leu Gly Leu Val Leu Leu Tyr Tyr Cys Phe Ser Ile Gly Ile Thr
 20 25 30
 Phe Tyr Asn Lys Trp Leu Thr Lys Ser Phe His Phe Pro Leu Phe Met
 35 40 45
 Thr Met Leu His Leu Ala Val Ile Phe Leu Phe Ser Ala Leu Ser Arg
 50 55 60
 Ala Leu Val Gln Cys Ser Ser His Arg Ala Arg Val Val Leu Ser Trp
 65 70 75 80
 Ala Asp Tyr Leu Arg Arg Val Ala Pro Thr Ala Leu Ala Thr Ala Leu
 85 90 95
 Asp Val Gly Leu Ser Asn Trp Ser Phe Leu Tyr Val Thr Val Ser Leu
 100 105 110
 Tyr Thr Met Thr Lys Ser Ser Ala Val Leu Phe Ile Leu Ile Phe Ser
 115 120 125
 Leu Ile Phe Lys Leu Glu Glu Leu Arg Ala Ala Leu Val Leu Val Val
 130 135 140
 Leu Leu Ile Ala Gly Gly Leu Phe Met Phe Thr Tyr Lys Ser Thr Gln
 145 150 155 160
 Phe Asn Val Glu Gly Phe Ala Leu Val Leu Gly Ala Ser Phe Ile Gly
 165 170 175
 Gly Ile Arg Trp Thr Leu Thr Gln Met Leu Leu Gln Lys Ala Glu Leu
 180 185 190
 Gly Leu Gln Asn Pro Ile Asp Thr Met Phe His Leu Gln Pro Leu Met
 195 200 205
 Phe Leu Gly Leu Phe Pro Leu Phe Ala Val Phe Glu Gly Leu His Leu
 210 215 220
 Ser Thr Ser Glu Lys Ile Phe Arg Phe Gln Gly His Arg Ala Ala Pro
 225 230 235 240
 Ala Gly Thr Trp Gly Ala Ser Ser Leu Ala Gly Phe Ser Pro Leu Val
 245 250 255
 Trp Ala Ser Leu Ser Ser Ser Trp Ser Pro Glu Pro Pro Ala Ser Leu
 260 265 270
 Ser Pro Leu Pro Ala Phe Leu Arg Lys Ser Ala Leu Cys Cys Trp Gln
 275 280 285
 Leu Ile Cys Trp Ala Ile Arg Ser Ala Ser *
 290 295 298

<210> 1288
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 1288
 Met Glu Ser Ala Leu Pro Ala Ala Gly Phe Leu Tyr Trp Val Gly Ala
 1 5 10 15
 Gly Thr Val Ala Tyr Leu Ala Leu Arg Ile Ser Tyr Ser Leu Phe Thr

```

      20      25      30
Ala Leu Arg Val Trp Gly Val Gly Asn Glu Ala Gly Val Gly Pro Gly
      35      40      45
Leu Gly Glu Trp Ala Val Val Thr Gly Ser Thr Asp Gly Ile Gly Lys
      50      55      60
Ser Tyr Ala Glu Glu Leu Ala Lys His Gly Met Lys Val Val Leu Ile
      65      70      75      80
Ser Arg Ser Lys Asp Lys Leu Asp Gln Val Ser Ser Glu Ile Lys Glu
      85      90      95
Lys Phe Lys Val Glu Thr Arg Thr Ile Ala Val Asp Phe Ala Ser Glu
      100      105      110
Asp Ile Tyr Asp Lys Ile Lys Thr Gly Leu Ala Gly Leu Glu Ile Gly
      115      120      125
Ile Leu Val Asn Asn Val Gly Met Ser Tyr Glu Tyr Pro Glu Tyr Phe
      130      135      140
Leu Asp Val Pro Asp Leu Asp Asn Val Ile Lys Lys Asn Asp Lys Tyr
      145      150      155      160
*
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<210> 1289
<211> 46
<212> PRT
<213> Homo sapiens
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<400> 1289
Met Val Leu Ser Ala Pro Ser Leu Trp Pro Cys Ser Ser Phe Ser Ile
  1      5      10      15
Ser Cys Leu His Val Gly Leu Thr Ala Phe Leu Phe Gln Val Ala Phe
      20      25      30
Leu Cys Leu Leu Cys Cys Val Glu Leu Leu Leu Asp Val *
      35      40      45
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<210> 1290
<211> 453
<212> PRT
<213> Homo sapiens
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<400> 1290
Met Thr Ser Lys Phe Ile Leu Val Ser Phe Ile Leu Ala Ala Leu Ser
  1      5      10      15
Leu Ser Thr Thr Phe Ser Leu Gln Pro Asp Gln Gln Lys Val Leu Leu
      20      25      30
Val Ser Phe Asp Gly Phe Arg Trp Asp Tyr Leu Tyr Lys Val Pro Thr
      35      40      45
Pro His Phe His Tyr Ile Met Lys Tyr Gly Val His Val Lys Gln Val
      50      55      60
Thr Asn Val Phe Ile Thr Lys Thr Tyr Pro Asn His Tyr Thr Leu Val
      65      70      75      80
Thr Gly Leu Phe Ala Glu Asn His Gly Ile Val Ala Asn Asp Met Phe
      85      90      95
Asp Pro Ile Arg Asn Lys Ser Phe Ser Leu Asp His Met Asn Ile Tyr
      100      105      110
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Asp Ser Lys Phe Trp Glu Glu Ala Thr Pro Ile Trp Ile Thr Asn Gln
      115              120              125
Arg Ala Gly His Thr Ser Gly Ala Ala Met Trp Pro Gly Thr Asp Val
      130              135              140
Lys Ile His Lys Arg Phe Pro Thr His Tyr Met Pro Tyr Asn Glu Ser
145              150              155              160
Val Ser Phe Glu Asp Arg Val Ala Lys Ile Ile Glu Trp Phe Thr Ser
      165              170              175
Lys Glu Pro Ile Asn Leu Gly Leu Leu Tyr Trp Glu Asp Pro Asp Asp
      180              185              190
Met Gly His His Leu Gly Pro Asp Ser Pro Leu Met Gly Pro Val Ile
      195              200              205
Ser Asp Ile Asp Lys Lys Leu Gly Tyr Leu Ile Gln Met Leu Lys Lys
      210              215              220
Ala Lys Leu Trp Asn Thr Leu Asn Leu Ile Ile Thr Ser Asp His Gly
225              230              235              240
Met Thr Gln Cys Ser Glu Glu Arg Leu Ile Glu Leu Asp Gln Tyr Leu
      245              250              255
Asp Lys Asp His Tyr Thr Leu Ile Asp Gln Ser Pro Val Ala Ala Ile
      260              265              270
Leu Pro Lys Glu Gly Lys Phe Asp Glu Val Tyr Glu Ala Leu Thr His
      275              280              285
Ala His Pro Asn Leu Thr Val Tyr Lys Lys Glu Asp Val Pro Glu Arg
      290              295              300
Trp His Tyr Lys Tyr Asn Ser Arg Ile Gln Pro Ile Ile Ala Val Ala
305              310              315              320
Asp Glu Gly Trp His Ile Leu Gln Asn Lys Ser Asp Asp Phe Leu Leu
      325              330              335
Gly Asn His Gly Tyr His Asn Ala Leu Ala Asp Met His Pro Ile Phe
      340              345              350
Leu Ala His Gly Pro Ala Phe Arg Lys Asn Phe Ser Lys Glu Ala Met
      355              360              365
Asn Ser Thr Asp Leu Tyr Pro Leu Leu Cys His Leu Leu Asn Ile Thr
      370              375              380
Ala Met Pro His Asn Gly Ser Phe Trp Asn Val Gln Asp Leu Leu Asn
385              390              395              400
Ser Ala Met Pro Arg Val Val Pro Tyr Thr Gln Ser Thr Ile Leu Leu
      405              410              415
Pro Gly Ser Val Lys Pro Ala Glu Tyr Asp Gln Glu Gly Ser Tyr Pro
      420              425              430
Tyr Phe Ile Gly Val Ser Leu Gly Ser Ile Ile Val Ile Val Phe Phe
      435              440              445
Cys Asn Phe His *
      450              452

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<210> 1291

<211> 78

<212> PRT

<213> Homo sapiens

<221> misc_feature

<222> (1)...(78)

<223> Xaa = any amino acid or nothing

<400> 1291

Met Leu Ser Val Thr Ala Phe Ile Leu Ala Glu Thr Val Leu Ala Ser

1	5	10	15
Gln Glu Val Gln Gly Gly Val Gln Val Arg Val Tyr Leu Met Asn Ala			
20	25	30	
Val Pro Asp Gly Leu Gln Gly Gly Ser Pro Val Gly Gly Leu Gly Leu			
35	40	45	
Leu Leu Ala Pro Asp Asn Ser Gly His Arg Arg Ser Ser Cys Arg Ile			
50	55	60	
Pro Ala Ala Arg Val Tyr Xaa Xaa Xaa Xaa Pro Arg Pro Pro			
65	70	75	78

<210> 1292
 <211> 416
 <212> PRT
 <213> Homo sapiens

<400> 1292

Met Val Leu Trp Ile Leu Trp Arg Pro Phe Gly Phe Ser Gly Arg Phe			
1	5	10	15
Leu Lys Leu Glu Ser His Ser Ile Thr Glu Ser Lys Ser Leu Ile Pro			
20	25	30	
Val Ala Trp Thr Ser Leu Thr Gln Met Leu Leu Glu Ala Pro Gly Ile			
35	40	45	
Phe Leu Leu Gly Gln Arg Lys Arg Phe Ser Thr Met Pro Glu Thr Glu			
50	55	60	
Thr His Glu Arg Glu Thr Glu Leu Phe Ser Pro Pro Ser Asp Val Arg			
65	70	75	80
Gly Met Thr Lys Leu Asp Arg Thr Ala Phe Lys Lys Thr Val Asn Ile			
85	90	95	
Pro Val Leu Lys Val Arg Lys Glu Ile Val Ser Lys Leu Met Arg Ser			
100	105	110	
Leu Lys Arg Ala Ala Leu Gln Arg Pro Gly Ile Arg Arg Val Ile Glu			
115	120	125	
Asp Pro Glu Asp Lys Glu Ser Arg Leu Ile Met Leu Asp Pro Tyr Lys			
130	135	140	
Ile Phe Thr His Asp Ser Phe Glu Lys Ala Glu Leu Ser Val Leu Glu			
145	150	155	160
Gln Leu Asn Val Ser Pro Gln Ile Ser Lys Tyr Asn Leu Glu Leu Thr			
165	170	175	
Tyr Glu His Phe Lys Ser Glu Glu Ile Leu Arg Ala Val Leu Pro Glu			
180	185	190	
Gly Gln Asp Val Thr Ser Gly Phe Ser Arg Ile Gly His Ile Ala His			
195	200	205	
Leu Asn Leu Arg Asp His Gln Leu Pro Phe Lys His Leu Ile Gly Gln			
210	215	220	
Val Met Ile Asp Lys Asn Pro Gly Ile Thr Ser Ala Val Asn Lys Ile			
225	230	235	240
Asn Asn Ile Asp Asn Met Tyr Arg Asn Phe Gln Met Glu Val Leu Ser			
245	250	255	
Gly Glu Gln Asn Met Met Thr Lys Val Arg Glu Asn Asn Tyr Thr Tyr			
260	265	270	
Glu Phe Asp Phe Ser Lys Val Tyr Trp Asn Pro Arg Leu Ser Thr Glu			
275	280	285	
His Ser Arg Ile Thr Glu Leu Leu Lys Pro Gly Asp Val Leu Phe Asp			
290	295	300	
Val Phe Ala Gly Val Gly Pro Phe Ala Ile Pro Val Ala Lys Lys Asn			
305	310	315	320

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<210> 1293
<211> 113
<212> PRT
<213> Homo sapiens
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<210> 1294
<211> 57
<212> PRT
<213> Homo sapiens
```

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<400> 1294
Met Asp Phe Leu Met Leu Ala Val Cys Ala His Arg Leu Cys Phe Leu
  1              5              10              15
Tyr Leu Phe Ile Leu Tyr Glu Ser Lys Asn Lys Arg Glu Cys Glu Gln
              20              25              30
Phe Arg Arg Leu Gln Ile Tyr Leu Val Arg Leu Leu Ser Lys Arg Phe
              35              40              45
Pro Val Val Val Ile Pro Ala Val *
      50              55  56

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<210> 1295
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 1295
 Met Phe Leu Ser Leu Cys Leu Leu Ser Ala Ala Leu Thr Lys Ile Ser
 1 5 10 15
 Ser Lys Ile Leu Tyr Lys Pro Gly Thr Lys Val Thr Ser Leu Gln Phe
 20 25 30
 Ile Pro Thr Ser Ser Ser Tyr Thr His Met Asn Cys Val Asn Gly Ser
 35 40 45
 Thr Asp Pro Ile Tyr Val Ser Gly Arg Arg Arg Met Cys Ser Ser Cys
 50 55 60
 Val Phe Ile *
 65 67

<210> 1296
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 1296
 Met Trp Ser Ala His Pro Leu Ala Val Leu Ser Leu Lys Leu Thr Leu
 1 5 10 15
 Phe Ser Leu Thr Ser Asp Trp Leu Ser Ser Lys Asp Met Ala Ile Ser
 20 25 30
 Leu Ala Phe Lys Ile Ser Gln Ile Leu Cys Ser Val Leu Ser Ala Pro
 35 40 45
 Gly Lys Arg Leu Ile Ser Val Leu Trp Asn Thr Ser Ser Leu Lys Arg
 50 55 60
 Ser *
 65

<210> 1297
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1297
 Met Leu His Ser Gln Leu Leu Ala Val Ser Phe Arg Leu Ile Val Thr
 1 5 10 15
 Leu Pro Leu Ser Ile Gln Asp Trp Asp Asp Ala Glu Asn Met Lys Gly
 20 25 30
 Leu Gln Tyr Ile Phe Asn Thr Leu Trp Ser Val Ser Ser Pro Val Ile
 35 40 45
 Thr Ser Ile Leu Ser Ser Lys His *
 50 55 56

<210> 1298

<211> 235
 <212> PRT
 <213> Homo sapiens

<400> 1298
 Met Arg Lys Thr Arg Leu Trp Gly Leu Leu Trp Met Leu Phe Val Ser
 1 5 10 15
 Glu Leu Arg Ala Ala Thr Lys Leu Thr Glu Glu Lys Tyr Glu Leu Lys
 20 25 30
 Glu Gly Gln Thr Leu Asp Val Lys Cys Asp Tyr Thr Leu Glu Lys Phe
 35 40 45
 Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro
 50 55 60
 Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val
 65 70 75 80
 Gln Val Gly Arg Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu
 85 90 95
 Arg Val Arg Met Val Asn Leu Gln Val Glu Asp Ser Gly Leu Tyr Gln
 100 105 110
 Cys Val Ile Tyr Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg
 115 120 125
 Ile Arg Leu Val Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn
 130 135 140
 Glu Asn Ser Thr Gln Asn Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys
 145 150 155 160
 Ala Leu Cys Pro Leu Tyr Thr Thr Pro Arg Thr Val Thr Gln Ala Pro
 165 170 175
 Pro Lys Ser Thr Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu
 180 185 190
 Thr Asn Val Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile
 195 200 205
 Leu Leu Ala Gly Gly Phe Leu Ser Lys Ser Leu Val Phe Ser Val Leu
 210 215 220
 Phe Ala Val Thr Leu Arg Ser Phe Val Pro *
 225 230 234

<210> 1299
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1299
 Met Arg Trp Lys Val Gln Val Asn Ser Leu Met Val Leu Pro Ser Leu
 1 5 10 15
 Thr Val Cys Tyr Ser Thr His Leu Ser Thr Gly Cys Arg His Ile Lys
 20 25 30
 Val Asn Val Gln Val Leu Glu Asn Ile Gln Arg Ile Leu Asn Val Gln
 35 40 45
 Asn Ser Glu Lys Gln Ile Tyr Ala Glu Cys Val Val Gly Ala Phe *
 50 55 60 63

<210> 1300
 <211> 80

<212> PRT
<213> Homo sapiens

<400> 1300
Met Ala Ser Arg Ser Asn Tyr Leu Thr Glu Thr Leu Thr Pro Phe Pro
1 5 10 15
Ala Leu Leu Ser Leu Phe Met Leu Tyr Leu Ser His Thr Gly Phe Asp
20 25 30
Asn Ile Ile Pro Thr Phe Pro Thr Lys Pro Ala Tyr Thr Leu His Arg
35 40 45
Leu Leu Pro His Cys Pro Asp Ile His Ile Ala Tyr Ser Leu Ile Ser
50 55 60
Ser His Leu Phe Ala Gln Gly Ala Ser Leu Ser Thr Arg Thr His *

65 70 75 79

<210> 1301
<211> 87
<212> PRT
<213> Homo sapiens

<400> 1301
Met Arg Phe Arg Ala Glu Pro Lys Ser Arg Pro Leu Pro Ala Leu Cys
1 5 10 15
His Val Leu Ile Ala Cys Ile Val Phe Arg Trp Ala Phe Ala Gln Pro
20 25 30
Leu Pro Ser Ser Arg Ser Tyr Arg Ser Ser Gly Glu Phe Pro Arg Ser
35 40 45
Pro Ser Phe Lys Lys Thr Lys Thr Pro Ser Trp Gly Glu Arg Arg Val
50 55 60
Leu Leu Tyr Ser Arg Met Leu Arg Ala Asn Leu Arg Met Trp Arg Glu
65 70 75 80
Tyr Trp Ser Gln Lys Ser Ile
85 87

<210> 1302
<211> 143
<212> PRT
<213> Homo sapiens

<400> 1302
Met Asp His Cys Gly Ala Leu Phe Leu Cys Leu Cys Leu Leu Thr Leu
1 5 10 15
Gln Asn Ala Thr Thr Glu Thr Trp Glu Glu Leu Leu Ser Tyr Met Glu
20 25 30
Asn Met Gln Val Ser Arg Gly Arg Ser Ser Val Phe Ser Ser Arg Gln
35 40 45
Leu His Gln Leu Glu Gln Met Leu Leu Asn Thr Ser Phe Pro Gly Tyr
50 55 60
Asn Leu Thr Leu Gln Thr Pro Thr Ile Gln Ser Leu Ala Phe Lys Leu
65 70 75 80
Ser Cys Asp Phe Ser Gly Leu Ser Leu Thr Ser Ala Thr Leu Lys Arg
85 90 95

Val Pro Gln Ala Gly Gly Gln His Ala Arg Gly Gln His Ala Met Gln
 100 105 110
 Phe Pro Ala Glu Leu Thr Arg Asp Ala Cys Lys Thr Arg Pro Arg Glu
 115 120 125
 Leu Arg Leu Ile Cys Ile Tyr Phe Ser Asn Thr His Phe Phe Lys
 130 135 140 143

<210> 1303
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 1303
 Met Ile Leu Leu Met Ser Ala Ala Ile Phe Cys Ser Ala Glu Val Phe
 1 5 10 15
 Thr Arg Gly Ser Phe Phe Ser Asp Met Leu Thr Leu Asp Arg Val Lys
 20 25 30
 Ala Lys Gly Leu Gln Gly Glu Gly Ala Ala Ser Thr Cys Ala Leu Ala
 35 40 45
 Ala Asp Ser Gln Gly Ser Gly Ala Ser Gly Thr Lys
 50 55 60

<210> 1304
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1304
 Met Lys Met Met Phe Ile Ile Thr Asn Trp Leu Asn Tyr Tyr Phe Leu
 1 5 10 15
 Leu Phe Ser Pro Ser Asn Pro Gln Ile Gln Ser Ile Leu His Glu Val
 20 25 30
 Ala Pro Leu Trp Phe Arg Thr Leu Tyr Thr Leu Leu Arg Gly Cys Ser
 35 40 45
 Thr Trp Lys Gly Leu Ser Ser *
 50 55

<210> 1305
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 1305
 Met Asn Ile Ile Phe Ile Tyr Leu Ala Thr Ser Leu Ala Phe Leu Ile
 1 5 10 15
 Ile Asn Leu Ser Gln Leu Leu Phe Thr Glu Tyr Leu His Phe Arg Cys
 20 25 30
 Cys Ser Lys Cys Ser Thr Cys Ile Asn Leu Leu Ser His His Glu Trp
 35 40 45
 Glu Leu Leu Pro Ser Ser Tyr Arg Arg Gly Ser Arg Ser Pro *

50

55

60

62

<210> 1306
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 1306
 Met Gln Asn Arg Thr Gly Leu Ile Leu Cys Ala Leu Ala Leu Leu Met
 1 5 10 15
 Gly Phe Leu Met Val Cys Leu Gly Ala Phe Phe Ile Ser Trp Gly Ser
 20 25 30
 Ile Phe Asp Cys Gln Gly Ser Leu Ile Ala Ala Tyr Leu Leu Leu Pro
 35 40 45
 Leu Gly Phe Val Ile Leu Leu Ser Gly Ile Phe Trp Ser Asn Tyr Arg
 50 55 60
 Gln Val Thr Glu Ser Lys Gly Val Leu Arg His Met Leu Arg Gln His
 65 70 75 80
 Leu Ala His Gly Ala Leu Pro Val Ala Thr Val Asp Arg Pro Asp Phe
 85 90 95
 Tyr Pro Pro Ala Tyr Glu Glu Ser Leu Glu Val Glu Lys Gln Ser Cys
 100 105 110
 Pro Ala Glu Arg Glu Ala Pro Arg His Ser Ser Thr Ser Ile Tyr Arg
 115 120 125
 Asp Gly Pro Gly Ile Pro Gly Trp Lys *
 130 135 137

<210> 1307
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1307
 Met Met Ala Ile Lys Pro Thr Ile Leu Val Thr Gln Gly Leu Ile Leu
 1 5 10 15
 Cys Trp Lys Cys His Lys Met Ile Cys Ser Tyr Phe Asn Leu Gln Leu
 20 25 30
 Glu Arg His Phe Leu Glu Thr Ile Gln Ser Asp Ser Phe Met Glu Lys
 35 40 45
 Leu Thr Leu Thr Asp Leu Thr Ile Tyr Arg Ile His Val Ala Thr His
 50 55 60 64

<210> 1308
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1308

Met Pro Cys Ser Gly Ser Ser Val Gln Thr Phe Arg Pro Leu Leu Ile
 1 5 10 15
 Phe His Asn Val Thr Phe Phe Ile Leu Pro Val Lys Cys Phe Asn Ala
 20 25 30
 Leu Ile Asn Val Leu Glu Arg Pro Phe Trp Gln Leu Leu Gly Glu Ile
 35 40 45
 Gly Glu Glu Tyr Arg Gly Ser Glu Asp Trp Leu Gly Gly Ser Phe Arg
 50 55 60 64
 *

<210> 1309
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 1309
 Met Arg Ile Trp His Arg Trp Leu Leu Val Arg Ile Leu Phe Pro Ala
 1 5 10 15
 Pro Gly Leu Gln Thr Ala Thr Phe Ser Val Cys Phe His Val Ala Glu
 20 25 30
 Ser Glu Leu Trp His Leu Leu Cys Phe Phe Phe Phe Leu Ala Leu Leu
 35 40 45
 Pro Pro Arg Trp Lys Ala Arg Gly Pro Ile Trp Val His Gly Thr Leu
 50 55 60
 Gly Phe Arg Val Gly Arg Asn Phe Leu Ala *
 65 70 74

<210> 1310
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1310
 Met Lys Leu Gly Asp Val Phe Val Lys Leu Leu Val Ser Leu Ala Gly
 1 5 10 15
 Glu Ile Leu Leu Ala Pro Leu Val Ser Ala Ser Gly Met Gly Pro Ala
 20 25 30
 Gly Val Glu Ala Leu Glu Glu Val Ser Ala Leu Ser Val *
 35 40 45

<210> 1311
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1311
 Met Tyr Trp Val Thr Val Ile Thr Leu Ile Tyr Gly Tyr Tyr Ala Trp
 1 5 10 15
 Val Gly Phe Trp Pro Glu Ser Ile Pro Tyr Gln Asn Leu Gly Pro Leu

```

      20      25      30
Gly Pro Leu Thr Gln Tyr Leu Met Asp His His His Thr Leu Leu Cys
      35      40      45
Asn Gly Tyr Trp Leu Ala Trp Leu Ile His Val Gly Glu Ser Leu His
      50      55      60
Ala Ile Leu Leu Gly Glu Arg Lys Gly Ile Thr Ser Gly Arg Ser Gln
      65      70      75      80
Leu Leu Trp Leu Leu Gln Thr Leu Phe Phe Gly Ile Thr Thr Leu Thr
      85      90      95
Ile Phe Asp Ala Tyr Lys Arg Lys Arg
      100      105

```

<210> 1312
 <211> 114
 <212> PRT
 <213> Homo sapiens

```

      <400> 1312
Met Lys Gly Lys Trp Cys Cys Ser Leu Leu Cys Gln Ser Pro Gln Val
  1      5      10      15
Gln Thr Ala Leu Val Cys Pro Leu Ser Leu Ser Leu Gly Pro Pro Gly
      20      25      30
Pro Gln Cys Pro Leu Leu Trp Leu Gly Gln Glu Asp Leu Pro Asp Ile
      35      40      45
Ala Arg Cys Ile Thr Asp Asp Cys Ser Gln Leu Pro Gln Ala Pro Ala
      50      55      60
Ser Leu Ala Ser Cys Phe Phe Pro Gln Ser Cys Leu Leu Ile Ser Ile
      65      70      75      80
His Leu Ser Met Gly Tyr Ser Trp Thr Leu Gly Leu Gly Val Gly Ile
      85      90      95
Arg Leu Leu Pro Thr Lys Gly Val Lys Val Thr His Phe Pro Tyr His
      100      105      110
Ala *
113

```

<210> 1313
 <211> 88
 <212> PRT
 <213> Homo sapiens

```

      <400> 1313
Met Ser Ser Ser Gly Gln Leu Gly His Pro Pro Arg Ala Pro His Ser
  1      5      10      15
Trp Arg Arg Trp Cys Trp Trp Leu Phe Met Leu Ala Thr Ser Leu Ser
      20      25      30
Arg Arg Arg Arg Pro Ser Thr Pro Leu Ile His Tyr Arg Val Phe Thr
      35      40      45
Val Asn His Lys Met Asp Pro Val Thr Arg Thr Phe Thr Leu Asp Ile
      50      55      60
Lys Val Val Phe Pro Asp Glu Gly Trp Gly Val Val Val Asp Pro Gly
      65      70      75      80
His Trp Gly Tyr Met Val Cys *
      85      87

```

<210> 1314
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1314
 Met Gly Gly Arg Leu Trp Ile Phe Leu Gln Leu Cys Gln Ser Leu Gly
 1 5 10 15
 Leu Ser Thr Val Val Ser Ser Arg Pro Val Ala Cys Leu Glu Ser Val
 20 25 30
 Pro Gly Met Cys Met Ser Val Cys Met Pro Leu Asn Tyr Arg Gly Ser
 35 40 45
 Asn Phe Ser Glu Thr Asp Val Trp Met Asp Leu Ser Arg Ala His Leu
 50 55 60 64
 *

<210> 1315
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1315
 Met Leu Ile Pro Ile Pro Val His Ile Phe Pro Leu Ser Ser Leu Leu
 1 5 10 15
 Gly Asp Gly Thr Met Arg Leu Leu Pro Asp Ile Ser Ser Asp Trp Leu
 20 25 30
 Cys Leu Asn Gln Glu Phe Ala Pro Val Gln Ser Ala Ile Ala Met Glu
 35 40 45
 Trp Gly Ser Cys Val Gly Asp Gln Asp Asp Thr His Trp Ile Cys Leu
 50 55 60
 Arg Gln Thr Ser Gly Val *
 65 70

<210> 1316
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1316
 Met Ala Thr Pro Ser Ser Pro Trp Trp Ala His Ser Gly Leu Pro Pro
 1 5 10 15
 Leu Phe Ser Ser Gly Leu Ser Trp Arg Leu Val Pro Leu Phe Trp Cys
 20 25 30
 Leu Gln Ser Leu Thr Gly Phe Leu Gly Pro Cys Leu Pro Arg Thr Thr
 35 40 45
 Arg Ala Phe Leu Ser Leu Gln Ser Trp Asp Leu Pro Gly Thr Arg Pro
 50 55 60
 Gly Ser Gln Ala Gln Gly Phe Thr Ala Cys Asn Ala Ala Asn Thr Pro

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<210> 1317
<211> 91
<212> PRT
<213> Homo sapiens
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<210> 1318
<211> 65
<212> PRT
<213> Homo sapiens
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<210> 1319
<211> 46
<212> PRT
<213> Homo sapiens
```

753

Met Val Thr Leu Leu Ile Ala Lys Gln Phe Trp Ile Phe Thr Val Asp
 1 5 10 15
 Leu His Leu Ser Asp Tyr Val Leu Glu Leu Ser Arg Tyr Leu Ile Asn
 20 25 30
 Ala Cys Phe Tyr Ser Pro Cys Ser Gln Pro Ile Glu Lys *
 35 40 45

<210> 1320
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1320
 Met Pro Ala Leu Leu Val Leu Lys Val Val Lys Val Leu Leu Pro Met
 1 5 10 15
 Val Leu Thr Gly Leu Gly Val Glu Glu Leu Lys Glu Met Val Leu Leu
 20 25 30
 Leu Pro Val Pro Cys Ala Ala Ile Ile Gly Ser Phe Lys Leu *
 35 40 45 46

<210> 1321
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1321
 Met Ile Cys Phe Cys Leu Pro Val Cys Pro Lys Thr His Leu Ala His
 1 5 10 15
 Pro Met Leu Ala Thr Leu Ala Phe Val Ser Leu Leu Glu Tyr Ala Lys
 20 25 30
 His Cys Leu Arg Asp Phe Ile Leu Val Ser Phe Leu Leu Gly Met Leu
 35 40 45
 Phe Leu Arg Tyr Gln His *
 50 54

<210> 1322
 <211> 301
 <212> PRT
 <213> Homo sapiens

<400> 1322
 Met Lys Ile Ala Phe Gly Asn Leu Trp Met Glu Ile Leu Tyr Leu Lys
 1 5 10 15
 Pro Pro Trp Thr Leu Leu His Leu Leu Gln Cys Phe Lys Lys His Trp
 20 25 30
 Leu Ala Val Phe Gly Leu Val Met Glu Lys Asn Leu Leu Leu Thr Ile
 35 40 45
 Glu Ser Leu Tyr Lys Asn Leu Arg Lys Ala Asn Lys Ala Val Asp Phe
 50 55 60
 Thr Thr Val Lys Phe Leu Leu Gln Asp Ser Arg Ser Leu Leu His Ala

```

65          70          75          80
Phe Ser Thr Arg Ser Asn Tyr Asp Gly Ile Leu Pro Gln Thr Phe Ala
85          90          95
Gln Val Asn Asn Leu Leu Gln Thr Phe Ala Glu Val Lys Thr Lys Leu
100        105        110
Lys Pro Asn Ser Ser Glu Asn Thr Val Thr Lys Lys Gln Glu Gly Thr
115        120        125
Ser Leu Lys Asn Ser His Asn Gln Glu Ile Thr Val Phe Ser Ser Ser
130        135        140
His Leu Pro Gln Pro Ser Arg His Gln Glu Ile Trp Ser Ile Leu Glu
145        150        155        160
Ser Val Trp Ile Thr Ile Tyr Gln Asn Ser Thr Asp Val Phe Gln Arg
165        170        175
Leu Gly Ser Asn Ser Ala Leu Thr Thr Ser Asn Ile Ala Ser Phe Glu
180        185        190
Glu Ala Phe Ile Cys Leu Gln Lys Leu Met Ala Ala Val Arg Asp Ile
195        200        205
Leu Glu Gly Ile Gln Arg Ile Leu Ala Pro Asn Ser Asn Tyr Gln Asp
210        215        220
Val Glu Thr Leu Tyr Asn Phe Leu Ile Lys Tyr Glu Val Asn Lys Asn
225        230        235        240
Val Lys Phe Thr Ala Gln Glu Ile Tyr Asp Cys Val Ser Gln Thr Glu
245        250        255
Tyr Arg Glu Lys Leu Thr Ile Gly Cys Arg Gln Leu Val Glu Met Glu
260        265        270
Tyr Thr Met Gln Gln Cys Asn Ala Ser Val Tyr Met Glu Ala Lys Asn
275        280        285
Arg Gly Trp Cys Glu Asp Met Leu Asn Tyr Arg Ile *
290        295        300

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<210> 1323
<211> 85
<212> PRT
<213> Homo sapiens

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<400> 1323
Met Thr Glu His Leu Ala Gln Gln Ser Glu Phe Ala Ala Thr Leu Leu
1          5          10          15
Leu Leu Trp Ala Pro Leu Lys Thr Gly Arg Leu Thr Asn Ser Phe Val
20        25        30
Asn Gly Pro Gly Gln His Gly Lys Met Cys Cys Ile Leu Pro Pro Lys
35        40        45
Thr Pro Val Ser Thr Lys Asn Ala Lys Ile Gly Arg Ala Trp Trp Cys
50        55        60
Thr Ser Val Ile Pro Ala Thr Trp Glu Ala Asp Thr Gly Glu Ser Leu
65        70        75        80
Glu Pro Gly Arg *
84

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<210> 1324
<211> 46
<212> PRT
<213> Homo sapiens

```

<400> 1324

```

Met Leu His His Ser Gln Leu Ile Phe Val Phe Leu Val Gln Thr Gly
 1          5          10          15
Phe His His Val Ala Leu Ser Gly Phe Lys Leu Leu Ala Ser Ser Asn
          20          25          30
Leu Pro Thr Leu Asp Pro Lys Val Leu Gly Leu Gln Val *
          35          40          45

```

<210> 1325

<211> 87

<212> PRT

<213> Homo sapiens

<400> 1325

```

Met Gly Leu Ser Lys Ala Phe Leu Ile Thr Arg Thr Val Phe Leu Ile
 1          5          10          15
Ser Ser Leu Ser Phe Tyr Ser Phe Leu Gly Phe Pro Ser Leu Cys Phe
          20          25          30
Thr Gly Ser Cys Met Leu Ser Thr Leu Phe Ile Arg Ala Leu Ser Ile
          35          40          45
Leu Val Ile Ile Val Leu Asn Ser Arg Ser Asp Lys Ser Asn Thr Pro
          50          55          60
Ala Ile Ser Glu Ser Gly Ser Asp Ala Cys Ser Phe Ser Ser Asn Phe
          65          70          75          80
Val Phe Cys Leu Leu Val *
          85 86

```

<210> 1326

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1326

```

Met Ser Leu Phe Leu Phe Phe Leu Met Phe Gln Val Leu Ser Glu Val
 1          5          10          15
Ser Trp Gly Gly Val Gly Ser Val Ser Asn Gln Gly Leu Glu His His
          20          25          30
Glu Ile Val Thr Pro Asp Leu Gln Ser Leu Ala Gly Gly Trp Thr Gly
          35          40          45
Gly Arg Glu Arg Gly Phe Leu Phe Thr Phe Asn Ile Phe Leu Gln Lys
          50          55          60
Lys Gln Thr Ile *
          65          68

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<210> 1327

<211> 103

<212> PRT

<213> Homo sapiens

<221> misc_feature

<222> (1)...(103)

<223> Xaa = any amino acid or nothing

<400> 1327

```

Met Val Gly Phe Gly Thr Asn Arg Arg Ala Gly Arg Leu Pro Ser Leu
 1           5           10           15
Val Leu Val Val Leu Leu Val Val Ile Val Val Leu Ala Phe Asn Tyr
          20           25           30
Trp Ser Ile Ser Ser Arg His Val Leu Leu Glu Glu Glu Val Ala Glu
          35           40           45
Leu Gln Gly Arg Val Gln Arg Ala Glu Val Ala Leu Trp Arg Val Gly
          50           55           60
Gly Arg Asn Cys Asp Leu Leu Val Val Gly Thr Arg Ser Arg Arg
          65           70           75           80
Ile Glu Glu Arg Gly Ala Asp Tyr Ser Arg Leu Ser Arg Arg Leu Gln
          85           90           95
Xaa Lys Glu Gly Leu Val Asn
          100           103

```

<210> 1328

<211> 52

<212> PRT

<213> Homo sapiens

<400> 1328

```

Met Arg Ala Arg Pro Ala Cys Thr Ala Thr Phe Pro Ser Phe His Leu
 1           5           10           15
Ala Leu Asp Ser Ser Tyr Leu Pro Cys Cys Lys Gly Lys Ala Thr Phe
          20           25           30
Ile Pro Lys Ser Arg Ile Tyr Leu Gln Glu Ala Lys Gly Ser Gly Glu
          35           40           45
Pro Leu Gly *
          50  51

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<210> 1329

<211> 204

<212> PRT

<213> Homo sapiens

<400> 1329

```

Met Cys Thr Arg Asn Leu Ala Leu Leu Phe Ala Pro Ser Val Phe Gln
 1           5           10           15
Thr Asp Gly Arg Gly Glu His Glu Val Arg Val Leu Gln Glu Leu Ile
          20           25           30
Asp Gly Tyr Ile Ser Val Phe Asp Ile Asp Ser Asp Gln Val Ala Gln
          35           40           45
Ile Asp Leu Glu Val Ser Leu Ile Thr Thr Trp Lys Asp Val Gln Leu
          50           55           60
Ser Gln Ala Gly Asp Leu Ile Met Glu Val Tyr Ile Glu Gln Gln Leu
          65           70           75           80
Pro Asp Asn Cys Val Thr Leu Lys Val Ser Pro Thr Leu Thr Ala Glu
          85           90           95

```

Glu	Leu	Thr	Asn	Gln	Val	Leu	Glu	Met	Arg	Gly	Thr	Ala	Ala	Gly	Met
			100					105					110		
Asp	Leu	Trp	Val	Thr	Phe	Glu	Ile	Arg	Glu	His	Gly	Glu	Leu	Glu	Arg
		115					120					125			
Pro	Leu	His	Pro	Lys	Glu	Lys	Val	Leu	Glu	Gln	Ala	Leu	Gln	Trp	Cys
		130				135					140				
Gln	Leu	Pro	Glu	Pro	Cys	Ser	Ala	Ser	Leu	Leu	Leu	Lys	Lys	Val	Pro
145					150					155					160
Leu	Ala	Gln	Ala	Gly	Cys	Leu	Phe	Thr	Gly	Ile	Arg	Arg	Glu	Ser	Pro
				165					170					175	
Arg	Val	Gly	Leu	Phe	Ala	Val	Phe	Val	Arg	Ser	His	Leu	Ala	Cys	Trp
		180						185					190		
Gly	Ser	Arg	Phe	Gln	Glu	Arg	Phe	Phe	Leu	Val	Ala				
		195					200				204				

<210> 1330
 <211> 199
 <212> PRT
 <213> Homo sapiens

<400> 1330

Met	Pro	Val	Pro	Ala	Leu	Cys	Leu	Leu	Trp	Ala	Leu	Ala	Met	Val	Thr
1				5					10					15	
Arg	Pro	Ala	Ser	Ala	Ala	Pro	Met	Gly	Gly	Pro	Glu	Leu	Ala	Gln	His
		20						25					30		
Glu	Glu	Leu	Thr	Leu	Leu	Phe	His	Gly	Thr	Leu	Gln	Leu	Gly	Gln	Ala
		35					40					45			
Leu	Asn	Gly	Val	Tyr	Arg	Thr	Thr	Glu	Gly	Arg	Leu	Thr	Lys	Ala	Arg
	50				55						60				
Asn	Ser	Leu	Gly	Leu	Tyr	Gly	Arg	Thr	Ile	Glu	Leu	Leu	Gly	Gln	Glu
65					70					75					80
Val	Ser	Arg	Gly	Arg	Asp	Ala	Ala	Gln	Glu	Leu	Arg	Ala	Ser	Leu	Leu
				85					90					95	
Glu	Thr	Gln	Met	Glu	Glu	Asp	Ile	Leu	Gln	Leu	Gln	Ala	Glu	Ala	Thr
			100					105					110		
Ala	Glu	Val	Leu	Gly	Glu	Val	Ala	Gln	Ala	Gln	Lys	Val	Leu	Arg	Asp
		115					120					125			
Ser	Val	Gln	Arg	Leu	Glu	Val	Gln	Leu	Arg	Ser	Ala	Trp	Leu	Gly	Pro
		130				135					140				
Ala	Tyr	Arg	Glu	Phe	Glu	Val	Leu	Lys	Ala	His	Ala	Asp	Lys	Gln	Ser
145					150					155					160
His	Ile	Leu	Trp	Ala	Leu	Thr	Gly	His	Val	Gln	Arg	Gln	Arg	Arg	Glu
				165					170					175	
Met	Val	Ala	Gln	Gln	His	Arg	Leu	Arg	Gln	Ile	Gln	Glu	Arg	Leu	His
			180					185					190		
Thr	Ala	Ala	Leu	Pro	Ala	*									
		195			198										

<210> 1331
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1331
 Met Ala Arg Pro Ser Ala Phe Pro Ile Gly Val Cys Leu Thr Leu Pro
 1 5 10 15
 Met Ala Trp Ile Ser Pro Gly Leu Ala Val Pro Ser Cys Pro Gln Tyr
 20 25 30
 Ile Leu Gln Ala Gln Gly Cys Ile Leu Asp Met Lys Thr Arg Gly Ser
 35 40 45
 His Gly Glu Ser Ala Val Pro Gly Ala His Gly Ser Arg Pro Phe His
 50 55 60
 Pro Leu Ala Glu Pro Asn Pro Pro Arg Gln Lys Leu Thr Pro Cys Thr
 65 70 75 80
 *

<210> 1332
 <211> 73
 <212> PRT
 <213> Homo sapiens
 <221> misc_feature
 <222> (1)...(73)
 <223> Xaa = any amino acid or nothing

<400> 1332
 Met Thr Ile Ile Leu Gln Ile Glu Thr Val Ile Phe Leu Leu Tyr Leu
 1 5 10 15
 Ala Pro Asp Thr Val Arg Pro Leu Thr Ile Ile Thr Gly Met Ala Gly
 20 25 30
 Ile Val Lys Gln Gln Ile Asp Ser His Ile Thr Asp Pro Asp Gln Gln
 35 40 45
 Asn Asn Gly Leu Ser Leu Ser Gly Pro Pro Pro Ala Pro Asp Pro Leu
 50 55 60
 Asp Xaa Leu Val Pro Thr Leu Trp Gly
 65 70 73

<210> 1333
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1333
 Met Leu Val Tyr Ile Leu Trp Asn Met Tyr Phe Asn Val Cys Ile Val
 1 5 10 15
 Pro Gly Val Ile Lys Ser Lys Thr Gly Thr Gln Asp Leu Ser Gly Leu
 20 25 30
 Trp Pro Leu Gly Thr Phe Pro Leu Ile Thr Phe Leu Pro Thr Trp Leu
 35 40 45
 Ser Tyr Gly *
 50 51

<210> 1334

<211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1334
 Met Ile Leu Phe Gln Leu Pro Ser Asn Val Phe Val Leu Leu Met Phe
 1 5 10 15
 Leu Phe Leu Phe Glu Phe Phe Leu Thr Leu Val Pro Met Trp Ala Phe
 20 25 30
 Pro Gly Asp Lys Thr Phe Val Ser Pro Ala Ser Ser Leu Ser Phe Leu
 35 40 45
 Asp Leu Ser Phe Leu Leu Phe Cys Asn Ser Val Ser Ile Gly Lys Gln
 50 55 60 64
 *

<210> 1335
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 1335
 Met Leu His Pro Glu Thr Ser Pro Gly Arg Gly His Leu Leu Ala Val
 1 5 10 15
 Leu Leu Ala Leu Leu Gly Thr Ala Trp Ala Glu Val Trp Pro Pro Gln
 20 25 30
 Leu Gln Glu Gln Ala Pro Met Ala Gly Ala Leu Asn Arg Lys Glu Ser
 35 40 45
 Phe Leu Leu Leu Ser Leu His Asn Arg Leu Arg Ser Trp Val Gln Pro
 50 55 60
 Pro Ala Ala Asp Met Arg Arg Leu Asp Trp Ser Asp Ser Leu Ala Gln
 65 70 75 80
 Leu Ala Gln Ala Arg Ala Ala Leu Cys Gly Ile Pro Thr Pro Ser Leu
 85 90 95
 Ala Ser Gly Leu Trp Arg Thr Leu Gln Val Gly Trp Asn Met Gln Leu
 100 105 110 112

<210> 1336
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1336
 Met Thr Gly Asn Leu Cys Phe Phe Ser Ile Lys Gly Tyr Leu Leu Thr
 1 5 10 15
 Ser Glu Ile Leu Met Ile Tyr Leu Thr Leu Glu Phe Cys Ile Leu Arg
 20 25 30
 Gly Lys His Leu Asn Val Ser Phe Lys Ala Gly Asp Thr Phe Ile Leu
 35 40 45
 Tyr Leu Gly Ser Leu Gly Phe Glu Glu Glu Gly Gly Pro Glu Ile Leu

50 55 60
 Lys Asp Cys Met Gly Gly Leu Ser Ser Pro Pro Leu Trp Lys Ala Glu
 65 70 75 80
 Ala Gly Cys Ile Ile Trp Gly Leu Gly Val Trp Asp His Pro Trp Ala
 85 90 95
 Thr Thr Arg His Pro Leu Leu Cys *
 100 104

<210> 1337
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1337
 Met Tyr Val Leu Ser Ser Ala His Leu Cys Phe Leu Cys Leu Gln Cys
 1 5 10 15
 Ser Ser Leu Glu Val Tyr Leu Ile Ser Ser Leu Thr Ser Phe Arg Ser
 20 25 30
 Val Leu Asn Cys Tyr Pro Pro Glu Arg Ser Ser Leu Thr Ile Gln Tyr
 35 40 45
 Gln Ile Leu Leu Leu Leu Leu Gln *
 50 55 56

<210> 1338
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1338
 Met Arg Ile Ile Ser Leu Thr Leu Met Leu Leu Glu Leu Phe Asp Ser
 1 5 10 15
 Glu Asp Pro Arg Gln Arg Glu Tyr Leu Lys Asn Ile Leu His Arg Leu
 20 25 30
 Tyr Gly Arg Met Leu Gly Leu Arg Pro Tyr Ile His Lys Gln Ser Lys
 35 40 45
 His Ile Phe Leu Arg Met Ile Tyr Glu Phe *
 50 55 58

<210> 1339
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1339
 Met Ile Lys Leu Ala Ile Trp Ser Ile Ile Ile Gly Leu Arg Leu Thr
 1 5 10 15
 Ile Leu Phe Cys Ile Glu Thr Arg Glu Ser Asp Ile Cys Lys Ile Leu
 20 25 30
 Gln Tyr Thr Glu Ser Thr Ile Phe Trp Arg Phe Phe Pro Val Tyr Arg
 35 40 45

Tyr *
49

<210> 1340
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1340
Met Pro Leu Ala Cys Thr Gly Leu Asn Thr Gln Arg Phe Ser Tyr Leu
1 5 10 15
Arg Asp Leu Phe Leu Pro Trp Gly Leu Cys Ile Leu Tyr Ser Ile Leu
20 25 30
Ser Ala Ile Phe Pro Asp Leu Ser Ser Ala Lys Leu Pro Ser Leu
35 40 45
His Ile Ala Phe Phe Thr Leu Phe Lys Val Thr Lys Gly Thr Ser Pro
50 55 60
Lys Ala Thr Asp Val Pro Val Ala Cys Phe Ile Asn His Asn Arg Thr
65 70 75 80
*

<210> 1341
<211> 60
<212> PRT
<213> Homo sapiens

<400> 1341
Met Phe Glu Ile His Arg Ala His Gly Val Phe Leu Leu Leu Ser Ile
1 5 10 15
Gln Leu Thr Thr Ser Leu Lys Arg Lys Ser Gly Glu Gly Asp Arg Glu
20 25 30
Ser Pro Ala Ser Trp Phe Ser Pro Phe Ser Gln Met Phe Phe Leu Ile
35 40 45
Asn Thr Ile Leu Leu Pro Phe Lys Ile Pro Ile *
50 55 59

<210> 1342
<211> 49
<212> PRT
<213> Homo sapiens

<400> 1342
Met Leu Ser Leu Phe Ile Phe Leu Arg Phe Leu Pro Leu Gly Phe Cys
1 5 10 15
Trp Lys Glu Leu His Pro Glu Ala Glu Gln Ser Glu Lys Val Asp Phe
20 25 30
Arg Lys Pro Trp Tyr Leu Thr Gly His Ala Ala Ser Leu Gly Ala Asp
35 40 45 48
*

<210> 1343
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1343
 Met Arg Leu Ala Val Ser Cys Ile Thr Ser Phe Leu Met Leu Ser Leu
 1 5 10 15
 Leu Leu Phe Met Ala His Arg Leu Arg Gln Arg Arg Arg Glu Arg Ile
 20 25 30
 Glu Ser Leu Ile Gly Ala Asn Leu His His Phe Asn Leu Gly Arg Arg
 35 40 45
 Ile Pro Gly Phe Asp Tyr Gly Pro Asp Gly Phe Gly Thr Gly Leu Thr
 50 55 60
 Pro Leu Ala Phe Phe *
 65 69

<210> 1344
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1344
 Met Phe Leu Ser Leu Ser Leu Thr Leu Cys Leu Cys Phe Ser Phe Phe
 1 5 10 15
 Cys Leu Tyr Leu Ser Leu Ala Leu Tyr Leu Gly Ser Phe Phe Cys Leu
 20 25 30
 Pro Phe His Val Ser Val Phe Leu Cys Leu Phe Pro Ser Val Leu Phe
 35 40 45
 Leu Ser Val Ala Leu Gly Ser Pro Glu Asn His Ile Ser Trp Arg Lys
 50 55 60
 Val Gly Glu Glu Leu Lys Leu Ala Ser His Arg Asn Phe Cys Ser Leu
 65 70 75 80
 Met Gln Lys Met Arg Ser Asn Lys Pro Ser Pro Ser Arg Pro Arg Gly
 85 90 95
 Trp Ala *
 98

<210> 1345
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 1345
 Met Lys Val Leu Trp Ala Gly Val Leu Gly Thr Phe Leu Ala Gly Cys
 1 5 10 15
 Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
 20 25 30

Cys	Gln	Gln	Thr	Glu	Trp	Lys	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Glu	Leu
	35						40					45			
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Glu	Gln	Thr	Leu	Ser	Glu	Gln
	50					55					60				
Val	Gln	Glu	Glu	Leu	Val	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Lys	Ala
	65				70					75					80
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Met	Lys	Ala	Tyr	Lys	Ser	Asp	Leu
				85					90					95	
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Gly	Arg	Arg	Trp	His	Gly	Cys	Thr
			100					105					110		112

<210> 1346

<211> 360

<212> PRT

<213> Homo sapiens

<400> 1346

Met	Leu	Phe	Val	Pro	Val	Thr	Leu	Cys	Met	Ile	Val	Val	Val	Ala	Thr
1				5				10						15	
Ile	Lys	Ser	Val	Arg	Phe	Tyr	Thr	Glu	Lys	Asn	Gly	Gln	Leu	Ile	Tyr
			20					25					30		
Thr	Pro	Phe	Thr	Glu	Asp	Thr	Pro	Ser	Val	Gly	Gln	Arg	Leu	Leu	Asn
		35					40					45			
Ser	Val	Leu	Asn	Thr	Leu	Ile	Met	Ile	Ser	Val	Ile	Val	Val	Met	Thr
	50					55					60				
Ile	Phe	Leu	Val	Val	Leu	Tyr	Lys	Tyr	Arg	Cys	Tyr	Lys	Phe	Ile	His
	65				70				75						80
Gly	Trp	Leu	Ile	Met	Ser	Ser	Leu	Met	Leu	Leu	Phe	Leu	Phe	Thr	Tyr
				85				90						95	
Ile	Tyr	Leu	Gly	Glu	Val	Leu	Lys	Thr	Tyr	Asn	Val	Ala	Met	Asp	Tyr
			100					105					110		
Pro	Thr	Leu	Leu	Leu	Thr	Val	Trp	Asn	Phe	Gly	Ala	Val	Gly	Met	Val
		115					120						125		
Cys	Ile	His	Trp	Lys	Gly	Pro	Leu	Val	Leu	Gln	Gln	Ala	Tyr	Leu	Ile
	130					135					140				
Met	Ile	Ser	Ala	Leu	Met	Ala	Leu	Val	Phe	Ile	Lys	Tyr	Leu	Pro	Glu
	145				150					155					160
Trp	Ser	Ala	Trp	Val	Ile	Leu	Gly	Ala	Ile	Ser	Val	Tyr	Asp	Leu	Val
				165				170						175	
Ala	Val	Leu	Cys	Pro	Lys	Gly	Pro	Leu	Arg	Met	Leu	Val	Glu	Thr	Ala
			180					185					190		
Gln	Glu	Arg	Asn	Glu	Pro	Ile	Phe	Pro	Ala	Leu	Ile	Tyr	Ser	Ser	Ala
		195					200					205			
Met	Val	Trp	Thr	Val	Gly	Met	Ala	Lys	Leu	Asp	Pro	Ser	Ser	Gln	Gly
	210					215					220				
Ala	Leu	Gln	Leu	Pro	Tyr	Asp	Pro	Glu	Met	Glu	Glu	Asp	Ser	Tyr	Asp
	225				230					235					240
Ser	Phe	Gly	Glu	Pro	Ser	Tyr	Pro	Glu	Val	Phe	Glu	Pro	Pro	Leu	Thr
				245					250					255	
Gly	Tyr	Pro	Gly	Glu	Glu	Leu	Glu	Glu	Glu	Glu	Glu	Arg	Gly	Val	Lys
			260					265					270		
Leu	Gly	Leu	Gly	Asp	Phe	Ile	Phe	Tyr	Ser	Val	Leu	Val	Gly	Lys	Ala
	275						280					285			
Ala	Ala	Thr	Gly	Ser	Gly	Asp	Trp	Asn	Thr	Thr	Leu	Ala	Cys	Phe	Val

290	295	300
Ala Ile Leu Ile Gly Leu Cys Leu Thr Leu Leu Leu Leu Ala Val Phe		
305	310	315
Lys Lys Ala Leu Pro Ala Leu Pro Ile Ser Ile Thr Phe Gly Leu Ile		320
	325	330
Phe Tyr Phe Ser Thr Asp Asn Leu Val Arg Pro Phe Met Asp Thr Leu		335
	340	345
Ala Ser His Gln Leu Tyr Ile *		350
355	359	

<210> 1347
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1347
Met Ile Leu Ser Leu Tyr Tyr Lys Leu Phe Gly Lys Leu Ala Val Ala
1 5 10 15
Thr Ile Glu Ile Leu His Cys Leu Cys Tyr Ile Glu Phe Val Ile Ile
20 25 30
Phe Lys Gly Phe Lys Lys Ile Pro Ile Cys Phe Phe Ser Phe Leu Phe
35 40 45
Ser Phe Val Pro His His Leu Asn Tyr Leu Gly Lys Tyr His Ser Ser
50 55 60
Lys Phe Glu Tyr Cys Leu Ser Asn Lys Lys Lys Cys Glu Arg Tyr Glu
65 70 75 80
Glu Glu Arg *
83

<210> 1348
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1348
Met Val His Leu Leu Leu Val Phe Trp Ser Gly Pro His Asn Leu Gly
1 5 10 15
Arg Phe Gln Pro Met Lys Leu Phe Ala Ile Cys Leu Asn Gln Ser Gly
20 25 30
Tyr Ile Ile Ala Phe Phe Val Leu Tyr Thr Asn Arg Met Tyr Ser Ile
35 40 45
Ile Asn Ile Ile Leu Asn Leu Phe Tyr Pro Val Tyr Tyr Cys Lys Ile
50 55 60 64
*

<210> 1349
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1349
 Met Pro Ser Pro Ser Gly Leu Trp Arg Ile Leu Leu Leu Val Leu Gly
 1 5 10 15
 Ser Val Leu Ser Gly Ser Ala Arg Ala Ala Pro Leu Arg Val Leu
 20 25 30
 Arg Gln Thr Ala Leu Cys Cys Ala Thr Glu Ala Leu Val Ala Val Pro
 35 40 45
 Glu Gly Ile Pro Thr Glu Thr Arg Leu *
 50 55 57

<210> 1350
 <211> 60
 <212> PRT
 <213> Homo sapiens
 <221> misc_feature
 <222> (1)...(60)
 <223> Xaa = any amino acid or nothing

<400> 1350
 Met Gly Ile Gly Cys Trp Arg Asn Pro Leu Val Leu Leu Met Ala Leu
 1 5 10 15
 Ala Cys Gln Ala Ser Trp Gly Leu Ser Lys Gly Gly Arg Val Leu Pro
 20 25 30
 Asn Leu Cys Pro Lys Lys Met Phe Xaa Thr Leu Phe Phe Phe Asn Ser
 35 40 45
 Gln Arg Gly Arg Gly Pro Pro Phe Trp Ala Gly Gly
 50 55 60

<210> 1351
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1351
 Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro Met Leu Cys
 1 5 10 15
 Thr Cys Tyr Ser Ser Pro Pro Thr Val Ser Cys Gln Ala Asn Asn Phe
 20 25 30
 Ser Ser Val Pro Leu Ser Leu Pro Pro Ser Thr Gln Arg Leu Phe Leu
 35 40 45
 Gln Asn Asn Leu Ile Arg Thr Leu
 50 55 56

<210> 1352
 <211> 701
 <212> PRT
 <213> Homo sapiens

<400> 1352

Met	Glu	Pro	Leu	Cys	Pro	Leu	Leu	Leu	Val	Gly	Phe	Ser	Leu	Pro	Leu
1				5					10					15	
Ala	Arg	Ala	Leu	Arg	Gly	Asn	Glu	Thr	Thr	Ala	Asp	Ser	Asn	Glu	Thr
			20					25					30		
Thr	Thr	Thr	Ser	Gly	Pro	Pro	Asp	Pro	Gly	Ala	Ser	Gln	Pro	Leu	Leu
		35					40					45			
Ala	Trp	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Leu	Leu	Val	Leu	Leu	Leu	
	50					55					60				
Ala	Ala	Tyr	Phe	Phe	Arg	Phe	Arg	Lys	Gln	Arg	Lys	Ala	Val	Val	Ser
65					70				75						80
Thr	Ser	Asp	Lys	Lys	Met	Pro	Asn	Gly	Ile	Leu	Glu	Glu	Gln	Glu	Gln
				85					90					95	
Gln	Arg	Val	Met	Leu	Leu	Ser	Arg	Ser	Pro	Ser	Gly	Pro	Lys	Lys	Tyr
			100					105					110		
Phe	Pro	Ile	Pro	Val	Glu	His	Leu	Glu	Glu	Glu	Ile	Arg	Ile	Arg	Ser
		115					120					125			
Ala	Asp	Asp	Cys	Lys	Gln	Phe	Arg	Glu	Glu	Phe	Asn	Ser	Leu	Pro	Ser
	130					135					140				
Gly	His	Ile	Gln	Gly	Thr	Phe	Glu	Leu	Ala	Asn	Lys	Glu	Glu	Asn	Arg
145					150					155					160
Glu	Lys	Asn	Arg	Tyr	Pro	Asn	Ile	Leu	Pro	Asn	Asp	His	Ser	Arg	Val
				165				170						175	
Ile	Leu	Ser	Gln	Leu	Asp	Gly	Ile	Pro	Cys	Ser	Asp	Tyr	Ile	Asn	Ala
			180					185						190	
Ser	Tyr	Ile	Asp	Gly	Tyr	Lys	Glu	Lys	Asn	Lys	Phe	Ile	Ala	Ala	Gln
		195					200					205			
Gly	Pro	Lys	Gln	Glu	Thr	Val	Asn	Asp	Phe	Trp	Arg	Met	Val	Trp	Glu
	210					215					220				
Gln	Lys	Ser	Ala	Thr	Ile	Val	Met	Leu	Thr	Asn	Leu	Lys	Glu	Arg	Lys
225					230					235					240
Glu	Glu	Lys	Cys	His	Gln	Tyr	Trp	Pro	Asp	Gln	Gly	Cys	Trp	Thr	Tyr
				245				250						255	
Gly	Asn	Ile	Arg	Val	Cys	Val	Glu	Asp	Cys	Val	Val	Leu	Val	Asp	Tyr
			260					265						270	
Thr	Ile	Arg	Lys	Phe	Cys	Ile	Gln	Pro	Gln	Leu	Pro	Asp	Gly	Cys	Lys
		275					280					285			
Ala	Pro	Arg	Leu	Val	Ser	Gln	Leu	His	Phe	Thr	Ser	Trp	Pro	Asp	Phe
	290					295					300				
Gly	Val	Pro	Phe	Thr	Pro	Ile	Gly	Met	Leu	Lys	Phe	Leu	Lys	Lys	Val
305					310					315					320
Lys	Thr	Leu	Asn	Pro	Val	His	Ala	Gly	Pro	Ile	Val	Val	His	Cys	Ser
				325				330						335	
Ala	Gly	Val	Gly	Arg	Thr	Gly	Thr	Phe	Ile	Val	Ile	Asp	Ala	Met	Met
			340					345					350		
Ala	Met	Met	His	Ala	Glu	Gln	Lys	Val	Asp	Val	Phe	Glu	Phe	Val	Ser
		355					360				365				
Arg	Ile	Arg	Asn	Gln	Arg	Pro	Gln	Met	Val	Gln	Thr	Asp	Met	Gln	Tyr
	370					375					380				
Thr	Phe	Ile	Tyr	Gln	Ala	Leu	Leu	Glu	Tyr	Tyr	Leu	Tyr	Gly	Asp	Thr
385				390					395						400
Glu	Leu	Asp	Val	Ser	Ser	Leu	Glu	Lys	His	Leu	Gln	Thr	Met	His	Gly
				405					410					415	
Thr	Thr	Thr	His	Phe	Asp	Lys	Ile	Gly	Leu	Glu	Glu	Glu	Phe	Arg	Lys
			420					425					430		
Leu	Thr	Asn	Val	Arg	Ile	Met	Lys	Glu	Asn	Met	Arg	Thr	Gly	Asn	Leu
		435					440					445			
Pro	Ala	Asn	Met	Lys	Lys	Ala	Arg	Val	Ile	Gln	Ile	Ile	Pro	Tyr	Asp
	450					455						460			

Phe Asn Arg Val Ile Leu Ser Met Lys Arg Gly Gln Glu Tyr Thr Asp
 465 470 475 480
 Tyr Ile Asn Ala Ser Phe Ile Asp Gly Tyr Arg Gln Lys Asp Tyr Phe
 485 490 495
 Ile Ala Thr Gln Gly Pro Leu Ala His Thr Val Glu Asp Phe Trp Arg
 500 505 510
 Met Ile Trp Glu Trp Lys Ser His Thr Ile Val Met Leu Thr Glu Val
 515 520 525
 Gln Glu Arg Glu Gln Asp Lys Cys Tyr Gln Tyr Trp Pro Thr Glu Gly
 530 535 540
 Ser Val Thr His Gly Glu Ile Thr Ile Glu Ile Lys Asn Asp Thr Leu
 545 550 555 560
 Ser Glu Ala Ile Ser Ile Arg Asp Phe Leu Val Thr Leu Asn Gln Pro
 565 570 575
 Gln Ala Arg Gln Glu Glu Gln Val Arg Val Val Arg Gln Phe His Phe
 580 585 590
 His Gly Trp Pro Glu Ile Gly Ile Pro Ala Glu Gly Lys Gly Met Ile
 595 600 605
 Asp Leu Ile Ala Ala Val Gln Lys Gln Gln Gln Thr Gly Asn His
 610 615 620
 Pro Ile Thr Val His Cys Ser Ala Gly Ala Gly Arg Thr Gly Thr Phe
 625 630 635 640
 Ile Ala Leu Ser Asn Ile Leu Glu Arg Val Lys Ala Glu Gly Leu Leu
 645 650 655
 Asp Val Phe Gln Ala Val Lys Ser Leu Arg Leu Gln Arg Pro His Met
 660 665 670
 Val Gln Thr Leu Glu Gln Tyr Glu Phe Cys Tyr Lys Val Val Gln Asp
 675 680 685
 Phe Ile Asp Ile Phe Ser Asp Tyr Ala Asn Phe Lys *
 690 695 700

<210> 1353
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1353
 Met Ala Phe Leu Tyr His Val Ala Tyr Val Leu Val Cys Met Leu Gly
 1 5 10 15
 Leu Phe Cys His Glu Phe Phe Tyr Ser Phe Leu Leu Phe Glu Ser Val
 20 25 30
 Tyr Arg His Gln Thr Leu Leu Asn Asp Ile Pro Cys Val Lys Leu Met
 35 40 45 48
 *

<210> 1354
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1354
 Met Ser Val Cys Lys Tyr Thr Val Tyr Gly Phe Phe Ile Phe Ala Phe

1		5		10		15									
Phe	Tyr	Phe	Thr	Lys	Asp	Asn	Ile	Pro	Tyr	Leu	Lys	Val	Ser	Leu	Gln
		20						25					30		
Ala	Phe	Cys	Gly	Phe	Gln	Asn	Ile	Ser	Trp	Asn	Lys	Tyr	Thr	Leu	Leu
		35					40					45			
Phe	Tyr	Tyr	Ser	Pro	Leu	Thr	Ile	Ile	*						
	50					55		57							

<210> 1355

<211> 4261

<212> PRT

<213> Homo sapiens

<400> 1355															
Met	Leu	Ser	Ala	Ile	Leu	Leu	Leu	Leu	Gln	Leu	Trp	Asp	Ser	Gly	Ala
1				5					10					15	
Gln	Glu	Thr	Asp	Asn	Glu	Arg	Ser	Ala	Gln	Gly	Thr	Ser	Ala	Pro	Leu
			20					25					30		
Leu	Pro	Leu	Leu	Gln	Arg	Phe	Gln	Ser	Ile	Ile	Cys	Arg	Lys	Asp	Ala
		35					40					45			
Pro	His	Ser	Glu	Gly	Asp	Met	His	Leu	Leu	Ser	Gly	Pro	Leu	Ser	Pro
	50					55					60				
Asn	Glu	Ser	Phe	Leu	Arg	Tyr	Leu	Thr	Leu	Pro	Gln	Asp	Asn	Glu	Leu
65					70					75					80
Ala	Ile	Asp	Leu	Arg	Gln	Thr	Ala	Val	Val	Val	Met	Ala	His	Leu	Asp
			85						90					95	
Arg	Leu	Ala	Thr	Pro	Cys	Met	Pro	Pro	Leu	Cys	Ser	Ser	Pro	Thr	Ser
		100						105					110		
His	Lys	Gly	Ser	Leu	Gln	Glu	Val	Ile	Gly	Trp	Gly	Leu	Ile	Gly	Trp
	115						120					125			
Lys	Tyr	Tyr	Ala	Asn	Val	Ile	Gly	Pro	Ile	Gln	Cys	Glu	Gly	Leu	Ala
	130					135					140				
Asn	Leu	Gly	Val	Thr	Gln	Ile	Ala	Cys	Ala	Glu	Lys	Arg	Phe	Leu	Ile
145					150					155					160
Leu	Ser	Arg	Asn	Gly	Arg	Val	Tyr	Thr	Gln	Ala	Tyr	Asn	Ser	Asp	Thr
			165						170					175	
Leu	Ala	Pro	Gln	Leu	Val	Gln	Gly	Leu	Ala	Ser	Arg	Asn	Ile	Val	Lys
		180						185					190		
Ile	Ala	Ala	His	Ser	Asp	Gly	His	His	Tyr	Leu	Ala	Leu	Ala	Ala	Thr
	195						200					205			
Gly	Glu	Val	Tyr	Ser	Trp	Gly	Cys	Gly	Asp	Gly	Gly	Arg	Leu	Gly	His
	210					215					220				
Gly	Asp	Thr	Val	Pro	Leu	Glu	Glu	Pro	Lys	Val	Ile	Ser	Ala	Phe	Ser
225					230					235					240
Gly	Lys	Gln	Ala	Gly	Lys	His	Val	Val	His	Ile	Ala	Cys	Gly	Ser	Thr
			245						250					255	
Tyr	Ser	Ala	Ala	Ile	Thr	Ala	Glu	Gly	Glu	Leu	Tyr	Thr	Trp	Gly	Arg
		260					265						270		
Gly	Asn	Tyr	Gly	Arg	Leu	Gly	His	Gly	Ser	Ser	Glu	Asp	Glu	Ala	Ile
	275					280						285			
Pro	Met	Leu	Val	Ala	Gly	Leu	Lys	Gly	Leu	Lys	Val	Ile	Asp	Val	Ala
	290					295					300				
Cys	Gly	Ser	Gly	Asp	Ala	Gln	Thr	Leu	Ala	Val	Thr	Glu	Asn	Gly	Gln
305					310					315					320
Val	Trp	Ser	Trp	Gly	Asp	Gly	Asp	Tyr	Gly	Lys	Leu	Gly	Arg	Gly	Gly
			325						330					335	

Ser	Asp	Gly	Cys	Lys	Thr	Pro	Lys	Leu	Ile	Glu	Lys	Leu	Gln	Asp	Leu
			340					345					350		
Asp	Val	Val	Lys	Val	Arg	Cys	Gly	Ser	Gln	Phe	Ser	Ile	Ala	Leu	Thr
		355					360					365			
Lys	Asp	Gly	Gln	Val	Tyr	Ser	Trp	Gly	Lys	Gly	Asp	Asn	Gln	Arg	Leu
	370					375					380				
Gly	His	Gly	Thr	Glu	Glu	His	Val	Arg	Tyr	Pro	Lys	Leu	Leu	Glu	Gly
385					390					395					400
Leu	Gln	Gly	Lys	Lys	Val	Ile	Asp	Val	Ala	Ala	Gly	Ser	Thr	His	Cys
			405						410					415	
Leu	Ala	Leu	Thr	Glu	Asp	Ser	Glu	Val	His	Ser	Trp	Gly	Ser	Asn	Asp
			420					425					430		
Gln	Cys	Gln	His	Phe	Asp	Thr	Leu	Arg	Val	Thr	Lys	Pro	Glu	Pro	Ala
		435					440					445			
Ala	Leu	Pro	Gly	Leu	Asp	Thr	Lys	His	Ile	Val	Gly	Ile	Ala	Cys	Gly
	450				455						460				
Pro	Ala	Gln	Ser	Phe	Ala	Trp	Ser	Ser	Cys	Ser	Glu	Trp	Ser	Ile	Gly
465					470					475					480
Leu	Arg	Val	Pro	Phe	Val	Val	Asp	Ile	Cys	Ser	Met	Thr	Phe	Glu	Gln
				485				490						495	
Leu	Asp	Leu	Leu	Leu	Arg	Gln	Val	Ser	Glu	Gly	Met	Asp	Gly	Ser	Ala
			500					505					510		
Asp	Trp	Pro	Pro	Pro	Gln	Glu	Lys	Glu	Cys	Val	Ala	Val	Ala	Thr	Leu
		515					520					525			
Asn	Leu	Leu	Arg	Leu	Gln	Leu	His	Ala	Ala	Ile	Ser	His	Gln	Val	Asp
	530					535					540				
Pro	Glu	Phe	Leu	Gly	Leu	Gly	Leu	Gly	Ser	Ile	Leu	Leu	Asn	Ser	Leu
545					550					555					560
Lys	Gln	Thr	Val	Val	Thr	Leu	Ala	Ser	Ser	Ala	Gly	Val	Leu	Ser	Thr
				565					570					575	
Val	Gln	Ser	Ala	Ala	Gln	Ala	Val	Leu	Gln	Ser	Gly	Trp	Ser	Val	Leu
			580					585					590		
Leu	Pro	Thr	Ala	Glu	Glu	Arg	Ala	Arg	Ala	Leu	Ser	Ala	Leu	Leu	Pro
		595					600					605			
Cys	Ala	Val	Ser	Gly	Asn	Glu	Val	Asn	Ile	Ser	Pro	Gly	Arg	Arg	Phe
	610					615					620				
Met	Ile	Asp	Leu	Leu	Val	Gly	Ser	Leu	Met	Ala	Asp	Gly	Gly	Leu	Glu
625					630					635					640
Ser	Ala	Leu	His	Ala	Ala	Ile	Thr	Ala	Glu	Ile	Gln	Asp	Ile	Glu	Ala
				645					650					655	
Lys	Lys	Glu	Ala	Gln	Lys	Glu	Lys	Glu	Ile	Asp	Glu	Gln	Glu	Ala	Asn
			660					665					670		
Ala	Ser	Thr	Phe	His	Arg	Ser	Arg	Thr	Pro	Leu	Asp	Lys	Asp	Leu	Ile
		675					680						685		
Asn	Thr	Gly	Ile	Cys	Glu	Ser	Ser	Gly	Lys	Gln	Cys	Leu	Pro	Leu	Val
	690					695					700				
Gln	Leu	Ile	Gln	Gln	Leu	Leu	Arg	Asn	Ile	Ala	Ser	Gln	Thr	Val	Ala
705					710					715					720
Arg	Leu	Lys	Asp	Val	Ala	Arg	Arg	Ile	Ser	Ser	Cys	Leu	Asp	Phe	Glu
				725					730					735	
Gln	His	Ser	Arg	Glu	Arg	Ser	Ala	Ser	Leu	Asp	Trp	Leu	Leu	Arg	Phe
			740				745						750		
Gln	Arg	Leu	Leu	Ile	Ser	Lys	Leu	Tyr	Pro	Gly	Glu	Ser	Ile	Gly	Gln
		755					760					765			
Thr	Ser	Asp	Ile	Ser	Ser	Pro	Glu	Leu	Met	Gly	Val	Gly	Ser	Leu	Leu
	770					775					780				
Lys	Lys	Tyr	Thr	Ala	Leu	Leu	Cys	Thr	His	Ile	Gly	Asp	Ile	Leu	Pro
785					790					795					800
Val	Ala	Ala	Ser	Ile	Ala	Ser	Thr	Ser	Trp	Arg	His	Phe	Ala	Glu	Val

				805					810					815		
Ala	Tyr	Ile	Val	Glu	Gly	Asp	Phe	Thr	Gly	Val	Leu	Leu	Pro	Glu	Leu	
			820						825					830		
Val	Val	Ser	Ile	Val	Leu	Leu	Leu	Ser	Lys	Asn	Ala	Asp	Leu	Met	Gln	
		835							840					845		
Glu	Ala	Gly	Ala	Val	Pro	Leu	Leu	Gly	Gly	Leu	Leu	Glu	His	Leu	Asp	
	850					855						860				
Arg	Phe	Asn	His	Leu	Ala	Pro	Gly	Lys	Glu	Arg	Asp	Asp	His	Glu	Glu	
865					870						875				880	
Leu	Ala	Trp	Pro	Gly	Ile	Met	Glu	Ser	Phe	Phe	Thr	Gly	Gln	Asn	Cys	
				885					890						895	
Arg	Asn	Asn	Glu	Val	Thr	Leu	Ile	Arg	Lys	Ala	Asp	Leu	Glu	Asn		
		900						905					910			
His	Asn	Lys	Asp	Gly	Gly	Phe	Trp	Thr	Val	Ile	Asp	Gly	Lys	Val	Tyr	
		915					920					925				
Asp	Ile	Lys	Asp	Phe	Gln	Thr	Gln	Ser	Leu	Thr	Gly	Asn	Ser	Ile	Leu	
	930					935					940					
Ala	Gln	Phe	Ala	Gly	Glu	Asp	Pro	Val	Val	Ala	Leu	Glu	Ala	Ala	Leu	
945					950					955					960	
Gln	Phe	Glu	Asp	Thr	Arg	Glu	Ser	Met	His	Ala	Phe	Cys	Val	Gly	Gln	
				965					970					975		
Tyr	Leu	Glu	Pro	Asp	Gln	Glu	Ile	Val	Thr	Ile	Pro	Asp	Leu	Gly	Ser	
			980					985					990			
Leu	Ser	Ser	Pro	Leu	Ile	Asp	Thr	Glu	Arg	Asn	Leu	Gly	Leu	Leu	Leu	
		995				1000					1005					
Gly	Leu	His	Ala	Ser	Tyr	Leu	Ala	Met	Ser	Thr	Pro	Leu	Ser	Pro	Val	
	1010					1015					1020					
Glu	Ile	Glu	Cys	Ala	Lys	Trp	Leu	Gln	Ser	Ser	Ile	Phe	Ser	Gly	Gly	
1025					1030					1035					1040	
Leu	Gln	Thr	Ser	Gln	Ile	His	Tyr	Arg	Tyr	Asn	Glu	Glu	Lys	Asp	Glu	
				1045					1050					1055		
Asp	His	Cys	Ser	Ser	Pro	Gly	Gly	Thr	Pro	Ala	Ser	Lys	Ser	Arg	Leu	
			1060					1065					1070			
Cys	Ser	His	Arg	Arg	Ala	Leu	Gly	Asp	His	Ser	Gln	Ala	Phe	Leu	Gln	
		1075					1080					1085				
Ala	Ile	Ala	Asp	Asn	Asn	Ile	Gln	Asp	His	Asn	Val	Lys	Asp	Phe	Leu	
	1090				1095						1100					
Cys	Gln	Ile	Glu	Arg	Tyr	Cys	Arg	Gln	Cys	His	Leu	Thr	Thr	Pro	Ile	
1105					1110				1115						1120	
Met	Phe	Pro	Pro	Glu	His	Pro	Val	Glu	Glu	Val	Gly	Arg	Leu	Leu	Leu	
				1125					1130					1135		
Cys	Cys	Leu	Leu	Lys	His	Glu	Asp	Leu	Gly	His	Val	Ala	Leu	Ser	Leu	

Pro His Ser Pro Ile Asn Val Asp Lys Arg Pro Ile Ala Ile Lys Ser
 1285 1290 1295
 Pro Lys Asp Lys Trp Gln Pro Leu Leu Ser Thr Val Thr Gly Val His
 1300 1305 1310
 Lys Tyr Lys Trp Leu Lys Gln Asn Val Gln Gly Leu Tyr Pro Gln Ser
 1315 1320 1325
 Pro Leu Leu Ser Thr Ile Ala Glu Phe Ala Leu Lys Glu Glu Pro Val
 1330 1335 1340
 Asp Val Glu Lys Met Arg Lys Cys Leu Leu Lys Gln Leu Glu Arg Ala
 1345 1350 1355 1360
 Glu Val Arg Leu Glu Gly Ile Asp Thr Ile Leu Lys Leu Ala Ser Lys
 1365 1370 1375
 Asn Phe Leu Leu Pro Ser Val Gln Tyr Ala Met Phe Cys Gly Trp Gln
 1380 1385 1390
 Arg Leu Ile Pro Glu Gly Ile Asp Ile Gly Glu Pro Leu Thr Asp Cys
 1395 1400 1405
 Leu Lys Asp Val Asp Leu Ile Pro Pro Phe Asn Arg Met Leu Leu Glu
 1410 1415 1420
 Val Thr Phe Gly Lys Leu Tyr Ala Trp Ala Val Gln Asn Ile Arg Asn
 1425 1430 1435 1440
 Val Leu Met Asp Ala Ser Ala Thr Phe Lys Glu Leu Gly Ile Gln Pro
 1445 1450 1455
 Val Pro Leu Gln Thr Ile Thr Asn Glu Asn Pro Ser Gly Pro Ser Leu
 1460 1465 1470
 Gly Thr Ile Pro Gln Ala Arg Phe Leu Leu Val Met Leu Ser Met Leu
 1475 1480 1485
 Thr Leu Gln His Gly Ala Asn Asn Leu Asp Leu Leu Leu Asn Ser Gly
 1490 1495 1500
 Met Leu Ala Leu Thr Gln Thr Ala Leu Arg Leu Ile Gly Pro Ser Cys
 1505 1510 1515 1520
 Asp Asn Val Glu Glu Asp Met Asn Ala Ser Ala Gln Gly Ala Ser Ala
 1525 1530 1535
 Thr Val Leu Glu Glu Thr Arg Lys Glu Thr Ala Pro Val Gln Leu Pro
 1540 1545 1550
 Val Ser Gly Pro Glu Leu Ala Ala Met Met Lys Ile Gly Thr Arg Val
 1555 1560 1565
 Met Arg Gly Val Asp Trp Lys Trp Gly Asp Gln Asp Gly Pro Pro Pro
 1570 1575 1580
 Gly Leu Gly Arg Val Ile Gly Glu Leu Gly Glu Asp Gly Trp Ile Arg
 1585 1590 1595 1600
 Val Gln Trp Asp Thr Gly Ser Thr Asn Ser Tyr Arg Met Gly Lys Glu
 1605 1610 1615
 Gly Lys Tyr Asp Leu Lys Leu Ala Glu Leu Pro Ala Ala Ala Gln Pro
 1620 1625 1630
 Ser Ala Glu Asp Ser Asp Thr Glu Asp Asp Ser Glu Ala Glu Gln Thr
 1635 1640 1645
 Glu Arg Asn Ile His Pro Thr Ala Met Met Phe Thr Ser Thr Ile Asn
 1650 1655 1660
 Leu Leu Gln Thr Leu Cys Leu Ser Ala Gly Val His Ala Glu Ile Met
 1665 1670 1675 1680
 Gln Ser Glu Ala Thr Lys Thr Leu Cys Gly Leu Leu Arg Met Leu Val
 1685 1690 1695
 Glu Ser Gly Thr Thr Asp Lys Thr Ser Ser Pro Asn Arg Leu Val Tyr
 1700 1705 1710
 Arg Glu Gln His Arg Ser Trp Cys Thr Leu Gly Phe Val Arg Ser Ile
 1715 1720 1725
 Ala Leu Thr Pro Gln Val Cys Gly Ala Leu Ser Ser Pro Gln Trp Ile
 1730 1735 1740
 Thr Leu Leu Met Lys Val Val Glu Gly His Ala Pro Phe Thr Ala Thr

1745 1750 1755 1760
 Ser Leu Gln Arg Gln Ile Leu Ala Val His Leu Leu Gln Ala Val Leu
 1765 1770 1775
 Pro Ser Trp Asp Lys Thr Glu Arg Ala Arg Asp Met Lys Cys Leu Val
 1780 1785 1790
 Glu Lys Leu Phe Asp Phe Leu Gly Ser Leu Leu Thr Thr Cys Ser Ser
 1795 1800 1805
 Asp Val Pro Leu Leu Arg Glu Ser Thr Leu Arg Arg Arg Arg Val Arg
 1810 1815 1820
 Pro Gln Ala Ser Leu Thr Ala Thr His Ser Ser Thr Leu Ala Glu Glu
 1825 1830 1835 1840
 Val Val Ala Leu Leu Arg Thr Leu His Ser Leu Thr Gln Trp Asn Gly
 1845 1850 1855
 Leu Ile Asn Lys Tyr Ile Asn Ser Gln Leu Arg Ser Ile Thr His Ser
 1860 1865 1870
 Phe Val Gly Arg Pro Ser Glu Gly Ala Gln Leu Glu Asp Tyr Phe Pro
 1875 1880 1885
 Asp Ser Glu Asn Pro Glu Val Gly Gly Leu Met Ala Val Leu Ala Val
 1890 1895 1900
 Ile Gly Gly Ile Asp Gly Arg Leu Arg Leu Gly Gly Gln Val Met His
 1905 1910 1915 1920
 Asp Glu Phe Gly Glu Gly Thr Val Thr Arg Ile Thr Pro Lys Gly Lys
 1925 1930 1935
 Ile Thr Val Gln Phe Ser Asp Met Arg Thr Cys Arg Val Cys Pro Leu
 1940 1945 1950
 Asn Gln Leu Lys Pro Leu Pro Ala Val Ala Phe Asn Val Asn Asn Leu
 1955 1960 1965
 Pro Phe Thr Glu Pro Met Leu Ser Val Trp Ala Gln Leu Val Asn Leu
 1970 1975 1980
 Ala Gly Ser Lys Leu Glu Lys His Lys Ile Lys Lys Ser Thr Lys Gln
 1985 1990 1995 2000
 Ala Phe Ala Gly Gln Val Asp Leu Asp Leu Leu Arg Cys Gln Gln Leu
 2005 2010 2015
 Lys Leu Tyr Ile Leu Lys Ala Gly Arg Ala Leu Leu Ser His Gln Asp
 2020 2025 2030
 Lys Leu Arg Gln Ile Leu Ser Gln Pro Ala Val Gln Glu Thr Gly Thr
 2035 2040 2045
 Val His Thr Asp Asp Gly Ala Val Val Ser Pro Asp Leu Gly Asp Met
 2050 2055 2060
 Ser Pro Glu Gly Pro Gln Pro Pro Met Ile Leu Leu Gln Gln Leu Leu
 2065 2070 2075 2080
 Ala Ser Ala Thr Gln Pro Ser Pro Val Lys Ala Ile Phe Asp Lys Gln
 2085 2090 2095
 Glu Leu Glu Ala Ala Ala Leu Ala Val Cys Gln Cys Leu Ala Val Glu
 2100 2105 2110
 Ser Thr His Pro Ser Ser Pro Gly Phe Glu Asp Cys Ser Ser Ser Glu
 2115 2120 2125
 Ala Thr Thr Pro Val Ala Val Gln His Ile His Pro Ala Arg Val Lys
 2130 2135 2140
 Arg Arg Lys Gln Ser Pro Val Pro Ala Leu Pro Ile Val Val Gln Leu
 2145 2150 2155 2160
 Met Glu Met Gly Phe Ser Arg Arg Asn Ile Glu Phe Ala Leu Lys Ser
 2165 2170 2175
 Leu Thr Gly Ala Ser Gly Asn Ala Ser Ser Leu Pro Gly Val Glu Ala
 2180 2185 2190
 Leu Val Gly Trp Leu Leu Asp His Ser Asp Ile Gln Val Thr Glu Leu
 2195 2200 2205
 Ser Asp Ala Asp Thr Val Ser Asp Glu Tyr Ser Asp Glu Glu Val Val
 2210 2215 2220

Glu Asp Val Asp Asp Ala Ala Tyr Ser Met Ser Thr Gly Ala Val Val
 2225 2230 2235 2240
 Thr Glu Ser Gln Thr Tyr Lys Lys Arg Ala Asp Phe Leu Ser Asn Asp
 2245 2250 2255
 Asp Tyr Ala Val Tyr Val Arg Glu Asn Ile Gln Val Gly Met Met Val
 2260 2265 2270
 Arg Cys Cys Arg Ala Tyr Glu Glu Val Cys Glu Gly Asp Val Gly Lys
 2275 2280 2285
 Val Ile Lys Leu Asp Arg Asp Gly Leu His Asp Leu Asn Val Gln Cys
 2290 2295 2300
 Asp Trp Gln Gln Lys Gly Gly Thr Tyr Trp Val Arg Tyr Ile His Val
 2305 2310 2315 2320
 Glu Leu Ile Gly Tyr Pro Pro Pro Ser Ser Ser Ser His Ile Lys Ile
 2325 2330 2335
 Gly Asp Lys Val Arg Val Lys Ala Ser Val Thr Thr Pro Lys Tyr Lys
 2340 2345 2350
 Trp Gly Ser Val Thr His Gln Ser Val Gly Val Val Lys Ala Phe Ser
 2355 2360 2365
 Ala Asn Gly Lys Asp Ile Ile Val Asp Phe Pro Gln Gln Ser His Trp
 2370 2375 2380
 Thr Gly Leu Leu Ser Glu Met Glu Leu Val Pro Ser Ile His Pro Gly
 2385 2390 2395 2400
 Val Thr Cys Asp Gly Cys Gln Met Phe Pro Ile Asn Gly Ser Arg Phe
 2405 2410 2415
 Lys Cys Arg Asn Cys Asp Asp Phe Asp Phe Cys Glu Thr Cys Phe Lys
 2420 2425 2430
 Thr Lys Lys His Asn Thr Arg His Thr Phe Gly Arg Ile Asn Glu Pro
 2435 2440 2445
 Gly Gln Ser Ala Val Phe Cys Gly Arg Ser Gly Lys Gln Leu Lys Arg
 2450 2455 2460
 Cys His Ser Ser Gln Pro Gly Met Leu Leu Asp Ser Trp Ser Arg Met
 2465 2470 2475 2480
 Val Lys Ser Leu Asn Val Ser Ser Ser Val Asn Gln Ala Ser Arg Leu
 2485 2490 2495
 Ile Asp Gly Ser Glu Pro Cys Trp Gln Ser Ser Gly Ser Gln Gly Lys
 2500 2505 2510
 His Trp Ile Arg Leu Glu Ile Phe Pro Asp Val Leu Val His Arg Leu
 2515 2520 2525
 Lys Met Ile Val Asp Pro Ala Asp Ser Ser Tyr Met Pro Ser Leu Val
 2530 2535 2540
 Val Val Ser Gly Gly Asn Ser Leu Asn Asn Leu Ile Glu Leu Lys Thr
 2545 2550 2555 2560
 Ile Asn Ile Asn Pro Ser Asp Thr Thr Val Pro Leu Leu Asn Asp Tyr
 2565 2570 2575
 Thr Glu Tyr His Arg Tyr Ile Glu Ile Ala Ile Lys Gln Cys Arg Ser
 2580 2585 2590
 Ser Gly Ile Asp Cys Lys Ile His Gly Leu Ile Leu Leu Gly Arg Ile
 2595 2600 2605
 Arg Ala Glu Glu Glu Asp Leu Ala Ala Val Pro Phe Leu Ala Ser Asp
 2610 2615 2620
 Asn Glu Glu Glu Glu Asp Glu Lys Gly Asn Ser Gly Ser Leu Ile Arg
 2625 2630 2635 2640
 Lys Lys Ala Ala Gly Leu Glu Ser Ala Ala Thr Ile Arg Thr Lys Val
 2645 2650 2655
 Phe Val Trp Gly Leu Asn Asp Lys Asp Gln Leu Gly Gly Leu Lys Gly
 2660 2665 2670
 Ser Lys Ile Lys Val Pro Ser Phe Ser Glu Thr Leu Ser Ala Leu Asn
 2675 2680 2685
 Val Val Gln Val Ala Gly Gly Ser Lys Ser Leu Phe Ala Val Thr Val

2690 2695 2700
 Glu Gly Lys Val Tyr Ala Cys Gly Glu Ala Thr Asn Gly Arg Leu Gly
 2705 2710 2715 2720
 Leu Gly Ile Ser Ser Gly Thr Val Pro Ile Pro Arg Gln Ile Thr Ala
 2725 2730 2735
 Leu Ser Ser Tyr Val Val Lys Lys Val Ala Val His Ser Gly Gly Arg
 2740 2745 2750
 His Ala Thr Ala Leu Thr Val Asp Gly Lys Val Phe Ser Trp Gly Glu
 2755 2760 2765
 Gly Asp Asp Gly Lys Leu Gly His Phe Ser Arg Met Asn Cys Asp Lys
 2770 2775 2780
 Pro Arg Leu Ile Glu Ala Leu Lys Thr Lys Arg Ile Arg Asp Ile Ala
 2785 2790 2795 2800
 Cys Gly Ser Ser His Ser Ala Ala Leu Thr Ser Ser Gly Glu Leu Tyr
 2805 2810 2815
 Thr Trp Gly Leu Gly Glu Tyr Gly Arg Leu Gly His Gly Asp Asn Thr
 2820 2825 2830
 Thr Gln Leu Lys Pro Lys Met Val Lys Val Leu Leu Gly His Arg Val
 2835 2840 2845
 Ile Gln Val Ala Cys Gly Ser Arg Asp Ala Gln Thr Leu Ala Leu Thr
 2850 2855 2860
 Asp Glu Gly Leu Val Phe Ser Trp Gly Asp Gly Asp Phe Gly Lys Leu
 2865 2870 2875 2880
 Gly Arg Gly Gly Ser Glu Gly Cys Asn Ile Pro Gln Asn Ile Glu Arg
 2885 2890 2895
 Leu Asn Gly Gln Gly Val Cys Gln Ile Glu Cys Gly Ala Gln Phe Ser
 2900 2905 2910
 Leu Ala Leu Thr Lys Ser Gly Val Val Trp Thr Trp Gly Lys Gly Asp
 2915 2920 2925
 Tyr Phe Arg Leu Gly His Gly Ser Asp Val His Val Arg Lys Pro Gln
 2930 2935 2940
 Val Val Glu Gly Leu Arg Gly Lys Lys Ile Val His Val Ala Val Gly
 2945 2950 2955 2960
 Ala Leu His Cys Leu Ala Val Thr Asp Ser Gly Gln Val Tyr Ala Trp
 2965 2970 2975
 Gly Asp Asn Asp His Gly Gln Gln Gly Asn Gly Thr Thr Thr Val Asn
 2980 2985 2990
 Arg Lys Pro Thr Leu Val Gln Gly Leu Glu Gly Gln Lys Ile Thr Arg
 2995 3000 3005
 Val Ala Cys Gly Ser Ser His Ser Val Ala Trp Thr Thr Val Asp Val
 3010 3015 3020
 Ala Thr Pro Ser Val His Glu Pro Val Leu Phe Gln Thr Ala Arg Asp
 3025 3030 3035 3040
 Pro Leu Gly Ala Ser Tyr Leu Gly Val Pro Ser Asp Ala Asp Ser Ser
 3045 3050 3055
 Ala Ala Ser Asn Lys Ile Ser Gly Ala Ser Asn Ser Lys Pro Asn Arg
 3060 3065 3070
 Pro Ser Leu Ala Lys Ile Leu Leu Ser Leu Asp Gly Asn Leu Ala Lys
 3075 3080 3085
 Gln Gln Ala Leu Ser His Ile Leu Thr Ala Leu Gln Ile Met Tyr Ala
 3090 3095 3100
 Arg Asp Ala Val Val Gly Ala Leu Met Pro Ala Ala Met Ile Ala Pro
 3105 3110 3115 3120
 Val Glu Cys Pro Ser Phe Ser Ser Ala Ala Pro Ser Asp Ala Ser Ala
 3125 3130 3135
 Met Ala Ser Pro Met Asn Gly Glu Glu Cys Met Leu Ala Val Asp Ile
 3140 3145 3150
 Glu Asp Arg Leu Ser Pro Asn Pro Trp Gln Glu Lys Arg Glu Ile Val
 3155 3160 3165

Ser Ser Glu Asp Ala Val Thr Pro Ser Ala Val Thr Pro Ser Ala Pro
 3170 3175 3180
 Ser Ala Ser Ala Arg Pro Phe Ile Pro Val Thr Asp Asp Leu Gly Ala
 3185 3190 3195 3200
 Ala Ser Ile Ile Ala Glu Thr Met Thr Lys Thr Lys Glu Asp Val Glu
 3205 3210 3215
 Ser Gln Asn Lys Ala Ala Gly Pro Glu Pro Gln Ala Leu Asp Glu Phe
 3220 3225 3230
 Thr Ser Leu Leu Ile Ala Asp Asp Thr Arg Val Val Val Asp Leu Leu
 3235 3240 3245
 Lys Leu Ser Val Cys Ser Arg Ala Gly Asp Arg Gly Arg Asp Val Leu
 3250 3255 3260
 Ser Ala Val Leu Ser Gly Met Gly Thr Ala Tyr Pro Gln Val Ala Asp
 3265 3270 3275 3280
 Met Leu Leu Glu Leu Cys Val Thr Glu Leu Glu Asp Val Ala Thr Asp
 3285 3290 3295
 Ser Gln Ser Gly Arg Leu Ser Ser Gln Pro Val Val Val Glu Ser Ser
 3300 3305 3310
 His Pro Tyr Thr Asp Asp Thr Ser Thr Ser Gly Thr Val Lys Ile Pro
 3315 3320 3325
 Gly Ala Glu Gly Leu Arg Val Glu Phe Asp Arg Gln Cys Ser Thr Glu
 3330 3335 3340
 Arg Arg His Asp Pro Leu Thr Val Met Asp Gly Val Asn Arg Ile Val
 3345 3350 3355 3360
 Ser Val Arg Ser Gly Arg Glu Trp Ser Asp Trp Ser Ser Glu Leu Arg
 3365 3370 3375
 Ile Pro Gly Asp Glu Leu Lys Trp Lys Phe Ile Ser Asp Gly Ser Val
 3380 3385 3390
 Asn Gly Trp Gly Trp Arg Phe Thr Val Tyr Pro Ile Met Pro Ala Ala
 3395 3400 3405
 Gly Pro Lys Glu Leu Leu Ser Asp Arg Cys Val Leu Ser Cys Pro Ser
 3410 3415 3420
 Met Asp Leu Val Thr Cys Leu Leu Asp Phe Arg Leu Asn Leu Ala Ser
 3425 3430 3435 3440
 Asn Arg Ser Ile Val Pro Arg Leu Ala Ala Ser Leu Ala Ala Cys Ala
 3445 3450 3455
 Gln Leu Ser Ala Leu Ala Ala Ser His Arg Met Trp Ala Leu Gln Arg
 3460 3465 3470
 Leu Arg Lys Leu Leu Thr Thr Glu Phe Gly Gln Ser Ile Asn Ile Asn
 3475 3480 3485
 Arg Leu Leu Gly Glu Asn Asp Gly Glu Thr Arg Ala Leu Ser Phe Thr
 3490 3495 3500
 Gly Ser Ala Leu Ala Ala Leu Val Lys Gly Leu Pro Glu Ala Leu Gln
 3505 3510 3515 3520
 Arg Gln Phe Glu Tyr Glu Asp Pro Ile Val Arg Gly Gly Lys Gln Leu
 3525 3530 3535
 Leu His Ser Pro Phe Phe Lys Val Leu Val Ala Leu Ala Cys Asp Leu
 3540 3545 3550
 Glu Leu Asp Thr Leu Pro Cys Cys Ala Glu Thr His Lys Trp Ala Trp
 3555 3560 3565
 Phe Arg Arg Tyr Cys Met Ala Ser Arg Val Ala Val Ala Leu Asp Lys
 3570 3575 3580
 Arg Thr Pro Leu Pro Arg Leu Phe Leu Asp Glu Val Ala Lys Lys Ile
 3585 3590 3595 3600
 Arg Glu Leu Met Ala Asp Ser Glu Asn Met Asp Val Leu His Glu Ser
 3605 3610 3615
 His Asp Ile Phe Lys Arg Glu Gln Asp Glu Gln Leu Val Gln Trp Met
 3620 3625 3630
 Asn Arg Arg Pro Asp Asp Trp Thr Leu Ser Ala Gly Gly Ser Gly Thr

3635 3640 3645
 Ile Tyr Gly Trp Gly His Asn His Arg Gly Gln Leu Gly Gly Ile Glu
 3650 3655 3660
 Gly Ala Lys Val Lys Val Pro Thr Pro Cys Glu Ala Leu Ala Thr Leu
 3665 3670 3675 3680
 Arg Pro Val Gln Leu Ile Gly Gly Glu Gln Thr Leu Phe Ala Val Thr
 3685 3690 3695
 Ala Asp Gly Lys Leu Tyr Ala Thr Gly Tyr Gly Ala Gly Gly Arg Leu
 3700 3705 3710
 Gly Ile Gly Gly Thr Glu Ser Val Ser Thr Pro Thr Leu Leu Glu Ser
 3715 3720 3725
 Ile Gln His Val Phe Ile Lys Lys Val Ala Val Asn Ser Gly Gly Lys
 3730 3735 3740
 His Cys Leu Ala Leu Ser Ser Glu Gly Glu Val Tyr Ser Trp Gly Glu
 3745 3750 3755 3760
 Ala Glu Asp Gly Lys Leu Gly His Gly Asn Arg Ser Pro Cys Asp Arg
 3765 3770 3775
 Pro Arg Val Ile Glu Ser Leu Arg Gly Ile Glu Val Val Asp Val Ala
 3780 3785 3790
 Ala Gly Gly Ala His Ser Ala Cys Val Thr Ala Ala Gly Asp Leu Tyr
 3795 3800 3805
 Thr Trp Gly Lys Gly Arg Tyr Gly Arg Leu Gly His Ser Asp Ser Glu
 3810 3815 3820
 Asp Gln Leu Lys Pro Lys Leu Val Glu Ala Leu Gln Gly His Arg Val
 3825 3830 3835 3840
 Val Asp Ile Ala Cys Gly Ser Gly Asp Ala Gln Thr Leu Cys Leu Thr
 3845 3850 3855
 Asp Asp Asp Thr Val Trp Ser Trp Gly Asp Gly Asp Tyr Gly Lys Leu
 3860 3865 3870
 Gly Arg Gly Gly Ser Asp Gly Cys Lys Val Pro Met Lys Ile Asp Ser
 3875 3880 3885
 Leu Thr Gly Leu Gly Val Val Lys Val Glu Cys Gly Ser Gln Phe Ser
 3890 3895 3900
 Val Ala Leu Thr Lys Ser Gly Ala Val Tyr Thr Trp Gly Lys Gly Asp
 3905 3910 3915 3920
 Tyr His Arg Leu Gly His Gly Ser Asp Asp His Val Arg Arg Pro Arg
 3925 3930 3935
 Gln Val Gln Gly Leu Gln Gly Lys Lys Val Ile Ala Ile Ala Thr Gly
 3940 3945 3950
 Ser Leu His Cys Val Cys Cys Thr Glu Asp Gly Glu Val Tyr Thr Trp
 3955 3960 3965
 Gly Asp Asn Asp Glu Gly Gln Leu Gly Asp Gly Thr Thr Asn Ala Ile
 3970 3975 3980
 Gln Arg Pro Arg Leu Val Ala Ala Leu Gln Gly Lys Lys Val Asn Arg
 3985 3990 3995 4000
 Val Ala Cys Gly Ser Ala His Thr Leu Ala Trp Ser Thr Ser Lys Pro
 4005 4010 4015
 Ala Ser Ala Gly Lys Leu Pro Ala Gln Val Pro Met Glu Tyr Asn His
 4020 4025 4030
 Leu Gln Glu Ile Pro Ile Ile Ala Leu Arg Asn Arg Leu Leu Leu Leu
 4035 4040 4045
 His His Leu Ser Glu Leu Phe Cys Pro Cys Ile Pro Met Phe Asp Leu
 4050 4055 4060
 Glu Gly Ser Leu Asp Glu Thr Gly Leu Gly Pro Ser Val Gly Phe Asp
 4065 4070 4075 4080
 Thr Leu Arg Gly Ile Leu Ile Ser Gln Gly Lys Glu Ala Ala Phe Arg
 4085 4090 4095
 Lys Val Val Gln Ala Thr Met Val Arg Asp Arg Gln His Gly Pro Val
 4100 4105 4110

Val Glu Leu Asn Arg Ile Gln Val Lys Arg Ser Arg Ser Lys Gly Gly
 4115 4120 4125
 Leu Ala Gly Pro Asp Gly Thr Lys Ser Val Phe Gly Gln Met Cys Ala
 4130 4135 4140
 Lys Met Ser Ser Phe Gly Pro Asp Ser Leu Leu Leu Pro His Arg Val
 4145 4150 4155 4160
 Trp Lys Val Lys Phe Val Gly Glu Ser Val Asp Asp Cys Gly Gly Gly
 4165 4170 4175
 Tyr Ser Glu Ser Ile Ala Glu Ile Cys Glu Glu Leu Gln Asn Gly Leu
 4180 4185 4190
 Thr Pro Leu Leu Ile Val Thr Pro Asn Gly Arg Asp Glu Ser Gly Ala
 4195 4200 4205
 Asn Arg Asp Cys Tyr Leu Leu Ser Pro Ala Ala Arg Ala Pro Val His
 4210 4215 4220
 Ser Ser Met Phe Arg Phe Leu Gly Val Leu Leu Gly Ile Ala Ile Arg
 4225 4230 4235 4240
 Thr Gly Ser Pro Leu Ser Leu Asn Pro Cys Arg Ala Leu Ser Gly Ser
 4245 4250 4255
 Ser Trp Leu Gly *
 4260

<210> 1356
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1356
 Met Ser Lys Val Lys Pro Leu His Gly Ala Pro Ala Pro Leu Leu Val
 1 5 10 15
 Ser Leu Cys Leu Leu Ser Trp Cys Gly Leu Pro Gly Val Ile Val His
 20 25 30
 Val Thr Tyr Val Ser Pro Arg His Leu Ser Asn Thr Arg Ser Gly Leu
 35 40 45
 Glu Ser Ile His Gly Cys Asp Pro Met His Gly Ser Pro Val Gly *
 50 55 60 63

<210> 1357
 <211> 111
 <212> PRT
 <213> Homo sapiens

<221> misc_feature
 <222> (1)...(111)
 <223> Xaa = any amino acid or nothing

<400> 1357
 Met Ile Phe Asn Lys Ala Ala Asp Thr Leu Gly Asp Val Trp Ile Leu
 1 5 10 15
 Leu Ala Thr Leu Lys Val Leu Ser Leu Leu Trp Leu Leu Tyr Tyr Val
 20 25 30
 Ala Ser Thr Thr Arg Gln Pro His Ala Val Leu Tyr Gln Asp Pro His
 35 40 45
 Ala Gly Pro Leu Trp Val Arg Ser Ser Leu Val Leu Phe Gly Ser Cys

50		55		60
Thr Phe Cys Leu Asn Ile	Phe Arg Val Gly Tyr Asp Val Ser His Ile			
65	70	75	80	
Arg Cys Lys Ser Gln Leu Asp Leu Val Phe Pro Val Ile Glu Met Val				
85	90	95		
Phe Ile Gly Val Gln Thr Cys Val Leu Trp Lys His Cys Arg Xaa				
100	105	110	111	

<210> 1358
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1358														
Met Ala Leu Leu Ile Ser Thr Cys Ile Asn Lys Ala Val Leu Arg Phe														
1	5	10	15											
Thr Leu Ser Ser Met Asn Asn Lys Ile Ile Leu Ser Trp Tyr Ser Phe														
20	25	30												
Asn Val Ile Leu Ile Phe His Glu Asn Val Val Tyr Tyr Ile *														
35	40	45	46											

<210> 1359
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1359														
Met Phe Ser Pro Cys Gly Pro Ala Ser Leu Gly Leu Leu Phe Val Leu														
1	5	10	15											
Cys Thr His Ser Gln Ala Leu Ala Phe Phe Trp Gly Pro Ser Ser Leu														
20	25	30												
Ile Gly Ala Ser Gly Phe Leu Leu Gln Arg Thr Ser Leu Leu Arg His														
35	40	45												
Val Phe Leu Gly Leu Val Tyr Ala Cys Trp Ala His Trp Leu Tyr Cys														
50	55	60												
Ser Ser Arg Pro Val Thr Lys Glu *														
65	70	72												

<210> 1360
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1360														
Met Lys Thr Gly Ser Leu Leu Leu Thr Leu Trp Phe Ser Gln Thr Phe														
1	5	10	15											
Ser Phe Asn Leu Phe Phe Ala Pro Pro His Ser Leu Leu Gln Ser Ser														
20	25	30												
Ile Phe Phe Ser Val Ser Ser Ile Thr Thr Val His Pro Ile Leu Val														
35	40	45												

Phe Phe Phe Ala Phe Phe Arg Thr *
 50 55 56

<210> 1361
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1361
 Met Phe Val Leu Phe Leu Ile Leu Val Leu Arg Asn His Phe Leu Val
 1 5 10 15
 Thr Ile Lys Tyr Gly Val Gly Cys Gly Phe Ile Ile Ser Val Cys Leu
 20 25 30
 Arg Ala Lys His Phe Asn Phe Asp Glu Ala Gln Phe Val Ser Phe Phe
 35 40 45
 Leu Cys Asp Ser Cys Phe Cys Leu Leu Arg Asn Leu Pro Thr Gln Arg
 50 55 60
 Leu Gln Arg Phe Phe Phe Cys Trp Phe Phe Leu Ile *
 65 70 75 76

<210> 1362
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 1362
 Met Gln Asn Arg Thr Gly Leu Ile Leu Cys Ala Leu Ala Leu Leu Met
 1 5 10 15
 Gly Phe Leu Met Val Cys Leu Gly Ala Phe Phe Ile Ser Trp Gly Ser
 20 25 30
 Ile Phe Asp Cys Gln Gly Ser Leu Ile Ala Ala Tyr Leu Leu Leu Pro
 35 40 45
 Leu Gly Phe Val Ile Leu Leu Ser Gly Ile Phe Trp Ser Asn Tyr Arg
 50 55 60
 Gln Val Thr Glu Ser Lys Gly Val Leu Arg His Met Leu Arg Gln His
 65 70 75 80
 Leu Ala His Gly Ala Leu Pro Val Ala Thr Val Asp Arg Ala Ala Leu
 85 90 95
 Leu Lys Ile Met Cys Lys Gln Leu Leu *
 100 105

<210> 1363
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1363
 Met Ala Trp Lys Pro Leu Gly Arg Gln Ala Val Leu Arg Glu Thr Pro
 1 5 10 15
 Leu Ala Thr Leu Cys Ile Asp Arg Arg Gln Val Ser Ser Ser Leu Val

20 25 30
 Gln Glu Gly Phe His Ser Lys Ser Cys His Cys Leu Gly Asp Ser Phe
 35 40 45
 Arg Glu Lys Asn Gln Val Val Gly *
 50 55 56

<210> 1364
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 1364
 Met Cys Leu Leu Lys Ala Ala Pro Phe Phe Phe Phe Tyr Val Pro Gln
 1 5 10 15
 Val Gly Lys Gly Asn Pro Arg Pro Pro Arg Gly Cys Ser Ala Phe His
 20 25 30
 Pro Pro Thr His Leu Arg Pro Gly Ser Cys Ser Val Ala Gln Ala Gly
 35 40 45
 Val Gln Trp Arg Ser Leu Gly Ser Ile Ala Ala Ser Val Ser Trp Val
 50 55 60
 Gln Ala Ile Leu Leu Pro Gln Pro Leu Glu *
 65 70 74

<210> 1365
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1365
 Met Lys Leu Gln Val Phe Ala Val Asn Ile Thr Ala Leu Lys Ala Ala
 1 5 10 15
 Arg Leu Glu Leu Phe Val Leu Pro Gly Gly Phe Ile Val Phe Leu Ala
 20 25 30
 Ser Glu Leu Lys Leu Gln Thr Ser Leu Glu Ser Val Ala Pro His Lys
 35 40 45
 Asp Ser Met Ser Leu Lys Ser Glu His *
 50 55 57

<210> 1366
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1366
 Met His Cys Ser Phe Ile Ser Ala Phe Leu Leu Pro Val Phe Leu Ser
 1 5 10 15
 Leu Thr Val Ser Ala Ser Ile Phe Val Ser Leu His Ser Phe Pro Leu
 20 25 30
 Ser Leu Ser Tyr Phe Ser Phe Leu Gly Ser Phe Phe Leu Ser Val Cys
 35 40 45

Leu Asp Leu Tyr Ser Ser Leu Phe Phe *
 50 55 57

<210> 1367
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1367
 Met Met Gly Arg Ile Phe Ala Ala Leu Ser Leu Ile Lys Leu Met Met
 1 5 10 15
 Tyr Ser Leu Phe Pro Val Ile Glu Ser Ser Leu Cys His Leu Glu Val
 20 25 30
 Trp Ala Trp Arg His Ile Trp Pro Thr Ala Gly Arg Gly Val Pro *
 35 40 45 47

<210> 1368
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1368
 Met Gly Arg Arg Lys Ser Phe Phe Phe Leu Phe Leu Glu Cys Arg Gln
 1 5 10 15
 Lys Gly Leu His Ile Pro Leu Cys Thr Cys Ser His Ala Pro Arg Pro
 20 25 30
 Pro Leu Ala Ala Pro Ser Ala Leu Ile Leu Pro Pro Glu Ile Ser His
 35 40 45
 Thr Ser Arg Gly Ile Leu Leu Ser His Gly Leu Phe Pro Thr Ala Thr
 50 55 60
 Met Pro Leu Phe Phe Pro Ser His Ala Ser His Ser Pro Thr Val Thr
 65 70 75 80
 Met Pro Leu Phe Phe Pro Ser His Ala Ser His Ser Pro Ser Thr *
 85 90 95

<210> 1369
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1369
 Met Trp Asp His Phe Ile Leu Ser Arg Val Leu Phe Cys Leu Phe Val
 1 5 10 15
 Phe His Ser Arg Val Leu Lys Asp His Met Ala Ser Asn Ala Tyr Lys
 20 25 30
 Ser Ala Leu Phe Phe Thr Val Arg Tyr Leu Glu Thr Lys Gln Phe Leu
 35 40 45
 Leu Arg Cys Cys Cys Trp Pro Asp Ala Val Ala His Ala Cys Asn Thr
 50 55 60
 Ser Thr Leu Arg Gly Gln Gly Arg His Ile Thr *

65

70

75

<210> 1370
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1370
 Met Cys Ser Cys Leu His Thr Leu Gln Arg Arg Phe Leu His Phe Val
 1 5 10 15
 Ser Ile Ala Leu Ser Lys Ile Trp Gln Asn Asn Ala Phe His Leu Gln
 20 25 30
 Val Glu Val Ser Trp Leu Ser Thr Phe Val Asp Lys Val Ile Val Met
 35 40 45
 Arg Leu Ile Ser Ser Lys His Phe Thr Asp Thr Met Asn Asp Arg Val
 50 55 60
 His Ser Phe Leu Asn Asp Ile Gly Phe Val Cys Leu Leu Ser *
 65 70 75 78

<210> 1371
 <211> 227
 <212> PRT
 <213> Homo sapiens

<221> misc_feature
 <222> (1)...(227)
 <223> Xaa = any amino acid or nothing

<400> 1371
 Met Leu Tyr Phe Gln Leu Val Ile Met Ala Gly Thr Val Leu Leu Ala
 1 5 10 15
 Tyr Tyr Phe Glu Cys Thr Asp Thr Phe Gln Val His Ile Gln Gly Phe
 20 25 30
 Phe Cys Gln Asp Gly Asp Leu Met Lys Pro Tyr Pro Gly Thr Glu Glu
 35 40 45
 Glu Ser Phe Ile Thr Pro Leu Val Leu Tyr Cys Val Leu Ala Ala Thr
 50 55 60
 Pro Thr Ala Ile Ile Phe Ile Gly Glu Ile Ser Met Tyr Phe Ile Lys
 65 70 75 80
 Ser Thr Arg Glu Ser Leu Ile Ala Gln Glu Lys Thr Ile Leu Thr Gly
 85 90 95
 Glu Cys Cys Tyr Leu Asn Pro Leu Leu Arg Arg Ile Ile Arg Phe Thr
 100 105 110
 Gly Val Phe Ala Phe Gly Leu Phe Ala Thr Asp Ile Phe Val Asn Ala
 115 120 125
 Gly Gln Val Val Thr Gly His Leu Thr Pro Tyr Phe Leu Thr Val Cys
 130 135 140
 Lys Pro Asn Tyr Thr Ser Ala Asp Cys Gln Ala His His Gln Phe Ile
 145 150 155 160
 Asn Asn Gly Asn Ile Cys Thr Gly Asp Leu Gly Ser Asp Arg Lys Gly
 165 170 175
 Ser Glu Ile Leu Ser Leu Gln Thr Arg Cys Ser Glu His Leu Leu Arg
 180 185 190

Leu Ile Trp Pro Arg Cys Ile Phe Thr Arg His Asn Gln Gly Arg Gly
 195 200 205
 Gly Ser Ser Met Gly Pro Ser Arg Trp Leu Cys Leu Gly Thr Phe Leu
 210 215 220
 His Xaa Leu
 225 227

<210> 1372
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1372
 Met Phe Leu Ser Leu Ser Leu Thr Leu Cys Leu Cys Phe Ser Phe Phe
 1 5 10 15
 Cys Leu Tyr Leu Ser Leu Ser Leu Tyr Leu Arg Ser Phe Phe Cys Leu
 20 25 30
 Pro Phe His Val Ser Val Phe Leu Cys Leu Phe Pro Ser Val Leu Phe
 35 40 45
 Leu Ser Val Ala Leu Gly Ser Pro Glu Asn His Ile Ser Trp Arg Lys
 50 55 60
 Val Gly Glu Glu Leu Lys Leu Ala Ser His Arg Asn Phe Cys Ser Leu
 65 70 75 80
 Ile Gln Met Met Arg Ser Asn Lys Pro Ser Pro Ser Arg Gln Arg Gly
 85 90 95
 Trp Ala *
 98

<210> 1373
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1373
 Met Leu His Thr Pro Gln Thr Cys Arg Pro Gly Leu Cys Val Leu Ala
 1 5 10 15
 Ser Arg Pro Val Leu Tyr Thr Leu Cys Leu Leu Ile Pro Val Leu Cys
 20 25 30
 Gly Asp Thr Phe Trp Ala Ser Trp Ser Leu Leu Thr Lys Ala Thr Pro
 35 40 45
 Ser Ser Leu Leu Cys Leu Ser Asp Lys Ser Ile Pro Ser Leu Ile Ser
 50 55 60
 Lys Gly Asp Ser *
 65 68

<210> 1374
 <211> 296
 <212> PRT
 <213> Homo sapiens

<400> 1374
 Met Arg Ser Lys Ile Met Ile His Ile His Ile Phe Leu Leu Ala Ser
 1 5 10 15
 Phe Arg Phe Lys Glu His Val Gln Asn Asn Leu Pro Arg Asp Leu Leu
 20 25 30
 Thr Gly Glu Gln Phe Ile Gln Leu Arg Arg Glu Leu Ala Ser Val Asn
 35 40 45
 Gly His Ser Gly Asp Asp Gly Pro Pro Gly Asp Asp Leu Pro Ser Gly
 50 55 60
 Ile Glu Asp Ile Thr Asp Pro Ala Lys Leu Ile Thr Glu Ile Glu Asn
 65 70 75 80
 Met Arg His Arg Ile Ile Glu Ile His Gln Glu Met Phe Asn Tyr Asn
 85 90 95
 Glu His Glu Val Ser Lys Arg Trp Thr Phe Glu Glu Gly Ile Lys Arg
 100 105 110
 Pro Tyr Phe His Val Lys Pro Leu Glu Lys Ala Gln Leu Lys Asn Trp
 115 120 125
 Lys Glu Tyr Leu Glu Phe Glu Ile Glu Asn Gly Thr His Glu Arg Val
 130 135 140
 Val Val Leu Phe Glu Arg Cys Val Ile Ser Cys Ala Leu Tyr Glu Glu
 145 150 155 160
 Phe Trp Ile Lys Tyr Ala Lys Tyr Met Glu Asn His Ser Ile Glu Gly
 165 170 175
 Val Arg His Val Phe Ser Arg Ala Cys Thr Ile His Leu Pro Lys Lys
 180 185 190
 Pro Met Val His Met Leu Trp Ala Ala Phe Glu Glu Gln Gln Gly Asn
 195 200 205
 Ile Asn Glu Ala Arg Asn Ile Leu Lys Thr Phe Glu Glu Cys Val Leu
 210 215 220
 Gly Leu Ala Met Val Arg Leu Arg Arg Val Ser Leu Glu Arg Arg His
 225 230 235 240
 Gly Asn Leu Glu Glu Ala Glu His Leu Leu Gln Asp Ala Ile Lys Asn
 245 250 255
 Ala Lys Ser Asn Asn Glu Ser Ser Phe Tyr Ala Val Lys Leu Ala Arg
 260 265 270
 His Leu Phe Lys Ile Gln Lys Asn Leu Pro Lys Ser Arg Lys Val Leu
 275 280 285
 Leu Glu Ala Ile Glu Arg Asp Lys
 290 295 296

<210> 1375

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1375
 Met Cys Leu Leu Lys Ala Ala Pro Phe Phe Phe Phe Tyr Val Pro Gln
 1 5 10 15
 Val Gly Lys Gly Asn Pro Arg Pro Pro Arg Gly Cys Ser Ala Phe His
 20 25 30
 Pro Pro Thr His Leu Arg Pro Gly Ser Cys Ser Val Ala Gln Ala Gly
 35 40 45
 Val Gln Trp Arg Ser Leu Gly Ser Ile Ala Ala Ser Val Ser Trp Val
 50 55 60
 Gln Ala Ile Leu Leu Pro Gln Pro Leu Glu *
 65 70 74

<210> 1376
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1376
 Met Cys Tyr Glu Trp Val Ile Thr Thr Val Gly Ser Trp Ala Leu Leu
 1 5 10 15
 Cys Gln Arg Thr Leu Trp Lys Pro His Arg Thr Tyr Gln Lys Leu Thr
 20 25 30
 Leu Asn Ser Cys Pro Thr Pro Ile Val Glu Gly Gly Leu Glu Ser Phe
 35 40 45
 Pro Ser Pro Asn Phe Pro Ser Cys Ile Ser Trp Ser *
 50 55 60

<210> 1377
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 1377
 Met Trp Val Trp Val Thr Ala Ala His Leu Leu Cys Ser Leu Ala Ala
 1 5 10 15
 Ser Phe Val Lys Lys Lys Ser Leu Gly Lys Leu Arg Val Asp Val Cys
 20 25 30
 Arg Ser Pro Pro Glu Gly Ser Arg Thr Gln Thr Ser Ser Ser Leu
 35 40 45
 Phe Tyr Arg Gly Gly Asn Gly Ala Ser Tyr Ala Asn Tyr Ile Leu His
 50 55 60
 His Thr Met Ala Leu Glu Gly Gln Arg Ser His Trp Ala Pro Cys Val
 65 70 75 80
 Ser Cys Pro Ala Gln Gly Leu Ala Leu Arg Arg Gly Cys Thr Thr Phe
 85 90 95
 Leu His Lys Asn Lys Gly Gly Thr Glu Ala Val Thr Val *
 100 105 109

<210> 1378
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1378
 Met Phe Ala Leu Gln Lys Met Arg Leu Cys Val Leu Trp Arg Val Leu
 1 5 10 15
 Glu Glu Gly Gly Ile Thr Arg Phe Gly Asp Ser His Ser Asp Ser Leu
 20 25 30
 Leu Phe Ser Val Thr Phe Arg Ile His Arg Asp Met Phe Cys *
 35 40 45 46

<210> 1379
 <211> 140
 <212> PRT
 <213> Homo sapiens

<400> 1379
 Met Arg His Pro Ser Pro Trp Pro Phe Leu Phe Phe Cys Phe Val Pro
 1 5 10 15
 Ala Thr Leu Arg Ser Phe Pro Ser Gly Leu Val Trp Pro Gly Cys Trp
 20 25 30
 Trp Glu Pro Arg Ala Ser Pro Ser Ser Leu Ala Pro Gly Met Lys Ser
 35 40 45
 Gln Leu Trp Ala Ala Ala Trp Arg Pro Gly Thr Ser Leu Gln Gly Met
 50 55 60
 Ala Gly Ile Leu Arg Gln Ala Ala Glu Ala Gly Pro Ala Gly Val Ala
 65 70 75 80
 Leu Ile Leu Ile Lys Gly Thr Gly Asn Glu Glu Pro Leu Gly Pro Leu
 85 90 95
 Pro Ser Arg Cys Leu Cys Pro Pro Pro Glu Glu Pro Arg Phe His Trp
 100 105 110
 Ala Leu Gly Lys Glu Pro Thr Gly Pro Gly Arg Pro Gln Pro Val Gln
 115 120 125
 His His Ile Glu Gly Pro His Pro Val Gly Phe Gly
 130 135 140

<210> 1380
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1380
 Met Gln Glu Pro Leu Thr Phe Leu Gln Leu Leu Arg Trp Gln Leu Phe
 1 5 10 15
 Pro Leu Pro Asp Ser Pro Thr Phe Ser Ala Phe Ile Leu Val Gly Leu
 20 25 30
 Cys Arg Met Leu Phe Ala Gly Arg Ile Ile Ser Gly Leu Thr Arg Val
 35 40 45
 Ile *
 49

<210> 1381
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 1381
 Met Leu Arg Leu Asp Ile Ile Asn Ser Leu Val Thr Thr Val Phe Met
 1 5 10 15
 Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr Thr Thr Leu Thr
 20 25 30

Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val Cys Cys Leu Ala
 35 40 45
 Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn Pro Ser Gly Pro
 50 55 60
 Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu Val Leu *
 65 70 75 77

<210> 1382
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1382
 Met Leu Thr Thr Leu Leu Leu Leu His Lys Arg Ile Phe Arg Gly
 1 5 10 15
 Asn Phe His Ile Leu His Phe His Ile Cys Ile Gln Ile Lys Lys Gln
 20 25 30
 Ile Pro Ile Leu Glu Asn Asp Leu Phe Lys Met Tyr Thr Val Ser Asn
 35 40 45
 Lys Ala Lys Thr Arg Thr Trp Ser *
 50 55 56

<210> 1383
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1383
 Met Val Cys Arg Leu Pro Cys Thr Leu Leu Pro Trp Pro Leu Lys His
 1 5 10 15
 Lys Gln Gly Ala Leu Leu Tyr Ile Cys Pro Ala Ser Leu Pro Ala Phe
 20 25 30
 Asn Pro Arg Asn Leu Ser Val Tyr Leu Leu Phe Ser Ala Ser Glu Ser
 35 40 45
 Leu Pro Leu Lys Ser Glu Gln Ala Arg Pro Gly Gly Ser Arg Leu *
 50 55 60 63

<210> 1384
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 1384
 Met Leu Ser Phe Val Pro Leu Leu Ser Ser Trp Leu Gly Thr Trp Ile
 1 5 10 15
 Thr Asp Arg Gly Ala Ala Gly Ser Cys Gln Ala Glu Ala Pro Arg Leu
 20 25 30
 Ala Gly Glu Thr Ala Gly Gln Arg Val Trp Glu Arg Gly Met Gln Arg
 35 40 45
 Ala Ala Ala Val Gly Lys Ile Leu Asp Pro Lys Gly His Thr Ala Ser

50
Pro His *
65 66

55

60

<210> 1385
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1385
Met Leu Val Leu Phe Val Ala Thr Trp Ser Asp Leu Gly Leu Cys Lys
1 5 10 15
Lys Arg Pro Lys Pro Gly Gly Trp Asn Thr Gly Gly Cys Arg Tyr Pro
20 25 30
Gly Leu Ala Cys Pro Leu Gly Arg Pro Pro Gly Gln Trp Gly Ala Thr
35 40 45
Val *
49

<210> 1386
<211> 123
<212> PRT
<213> Homo sapiens

<400> 1386
Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15
Tyr Ser Arg Gly Pro Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val
20 25 30
Thr Asp Leu Thr Lys Val His Thr Glu Cys Cys His Gly Asp Leu Leu
35 40 45
Glu Cys Ala Asp Asp Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn
50 55 60
Gln Asp Ser Ile Ser Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu
65 70 75 80
Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro
85 90 95
Ala Asp Leu Pro Ser Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val
100 105 110
Cys Lys Asn Tyr Ala Glu Ala Lys Asp Val Phe
115 120 123

<210> 1387
<211> 65
<212> PRT
<213> Homo sapiens

<400> 1387
Met Pro Arg Leu Phe Ser Pro Leu Ile Leu Leu His Thr Leu Ser Leu
1 5 10 15

Lys Ser His Glu Thr Phe Gln Trp Ser Gln Phe Leu Tyr Gln Asn Thr
 20 25 30
 Arg Asp Ala Cys Phe Thr Trp Thr Tyr Ile Phe Pro Arg Ile Thr Trp
 35 40 45
 Ile Asn Glu Trp Cys Cys Phe Pro Val Val Gly Glu Lys Leu Gly Thr
 50 55 60 64
 *

<210> 1388
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1388
 Met Gly Leu Leu Asn Lys Tyr Ala Ser Val Ile Ile Tyr Leu Tyr Phe
 1 5 10 15
 Ser Leu Val Lys Ser Glu Ser Leu Phe His Leu Met Tyr Leu Pro Ser
 20 25 30
 Leu Phe Ile Gln Phe Phe Leu Gly Ile Phe Ser Leu Lys Thr His Cys
 35 40 45
 Cys Thr Ser Lys Phe Asp Ser *
 50 55

<210> 1389
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1389
 Met Arg Arg Arg Ala Leu Lys His Trp Val Ala Leu Cys Leu Thr Trp
 1 5 10 15
 Thr Ala Gly Glu Ser Thr Gly Pro Trp Pro Ser Pro Glu Pro Ser Val
 20 25 30
 Arg Ala Lys Glu Ala Asp Pro Ser Gly Arg Arg Ser Leu Gly Ser Pro
 35 40 45
 Gly Leu Glu Cys Gly Pro Arg Leu Thr Arg Gly Ser Gly Arg Gln Cys
 50 55 60
 Asp Gly Pro Arg Gly Ile Cys His Ala Leu Gly *
 65 70 75

<210> 1390
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 1390
 Met Ala Ala Ser Pro Ala Arg Pro Ala Val Leu Ala Leu Thr Gly Leu
 1 5 10 15
 Ala Leu Leu Leu Leu Leu Cys Trp Gly Pro Gly Gly Ile Ser Gly Asn

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<210> 1391
<211> 125
<212> PRT
<213> Homo sapiens
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<210> 1392
<211> 56
<212> PRT
<213> Homo sapiens
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791

Ile Ile Leu Pro Leu His Pro *
 50 55

<210> 1393
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1393
 Met Glu Ala Trp Lys Ala Leu Ile Gly Leu Phe Pro Leu Arg Ser Ser
 1 5 10 15
 Ala Ser Pro Phe Thr Tyr His Cys Trp Glu Pro Ala Gln Pro Ala His
 20 25 30
 Gln Glu Phe His Ser Thr Ile Ala Leu Arg Gly Arg Gly Gly Lys Pro
 35 40 45
 Gln Glu Glu Ser Ser Pro *
 50 54

<210> 1394
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 1394
 Met Ser Leu Asn Pro Glu Phe Leu Trp Leu Lys Trp Phe Ser Leu Leu
 1 5 10 15
 Leu Arg Gly Arg Arg Asn Ser Cys Leu Ile Ala Leu Lys Gly Tyr His
 20 25 30
 Ser Val Met Ile Phe His Leu Pro Leu Ile Pro Ser Ser Val Thr Ser
 35 40 45
 Cys His *
 50

<210> 1395
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1395
 Met Pro Cys Phe Met Pro Asn Pro Gly Ala Val Leu Gly Leu Pro Pro
 1 5 10 15
 Trp Leu Leu Ser Thr Gln Arg Leu Thr His Thr Arg Ala Tyr Leu Asn
 20 25 30
 Trp Leu Ala Ser Asp Arg Trp Met Arg Arg His Trp Arg Thr Gly Glu
 35 40 45
 Ser Gln Val Glu Arg Ser Ser Arg Pro Trp Trp Glu Thr Gln His Leu
 50 55 60
 Ser Pro Ala Ser Leu Gly Arg Arg Pro Ala Pro Gly Leu Gln Glu His
 65 70 75 80
 Phe Leu Asp Thr Asp Gly Lys Val Ala Asp Ser Gly Leu Gln Met Gly

85 90 95
 Phe Gly Leu Leu Ser Leu Pro Ser Ile
 100 105

<210> 1396
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1396
 Met Leu Cys Asn Leu Ala Leu Lys Leu Leu Asn Cys Val Ser Ala Trp
 1 5 10 15
 Asn Met Asn Ile Arg Leu Lys Cys Leu Leu Lys Pro Lys Asn Val Ser
 20 25 30
 Lys Val Cys Ser Arg Gly Leu Tyr Phe Ile Tyr Val Met Asp Ser Leu
 35 40 45 48
 *

<210> 1397
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 1397
 Met Leu Ser Trp Val Phe Pro Gly Ser Val Phe Gly Leu Cys Leu Ser
 1 5 10 15
 Val Trp Val Phe Trp His Gln Ala Ser Leu Gly Arg Ala Ser Gly Cys
 20 25 30
 Ala Pro Ala Leu Arg Val Gly Leu Ile Pro Gly Cys Arg Gly Leu Arg
 35 40 45
 Ala Glu Leu Phe His Leu Glu Asp Lys Asp Gly Ser Ser Gly Leu Gly
 50 55 60
 Gly Gly Gly Gly Ala Gly His Asp Leu Ile Leu Arg Arg Ala Trp Cys
 65 70 75 80
 Trp Gly Leu Thr Asp Asp Gly Glu Ala Arg Val Gln Ala Leu Gly Met
 85 90 95
 Thr Pro Gly Ile Ala Phe Ser *
 100 103

<210> 1398
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1398
 Met Lys Pro Val Trp Val Ala Thr Leu Leu Trp Met Leu Leu Leu Val
 1 5 10 15
 Pro Arg Leu Gly Ala Ala Arg Lys Gly Ser Pro Glu Glu Ala Ser Phe
 20 25 30

Tyr Tyr Gly Thr Phe Pro Leu Gly Gly His His Ser Ala Glu Gly Thr
 35 40 45
 Ala Arg Gln Pro Leu Pro Ile Leu Pro Val Leu Ala Pro Ala Pro Ala
 50 55 60
 His Arg His Pro Ser Arg Ala Gly Glu Gln Glu Gly Asn Arg Ile Leu
 65 70 75 80
 Gln *
 81

<210> 1399
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 1399
 Met Gly Ala Val Leu Leu Val Cys Leu Gln Thr Ser Ile Ala Ala Arg
 1 5 10 15
 Asp Asp Leu Lys Asp Ala Val Asp Ser Gly Leu Leu Leu Ala Asn Ser
 20 25 30
 Leu Ser His Phe Val Pro Leu Val Val Arg Asn Tyr Leu Val His Cys
 35 40 45
 Asn Leu Leu Gln Thr Leu Lys Phe Leu Leu Gly Asn Cys Thr Ala Gly
 50 55 60
 Lys Ala Ser *
 65 67

<210> 1400
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1400
 Met Ala Val Ala Phe Val Leu Ser Leu Gly Val Ala Ala Leu Tyr Lys
 1 5 10 15
 Phe Arg Val Ala Asp Gln Arg Lys Lys Ala Tyr Ala Asp Phe Tyr Arg
 20 25 30
 Asn Tyr Asp Val Met Lys Asp Phe Glu Glu Met Arg Lys Ala Gly Ile
 35 40 45
 Phe Gln Ser Val Lys *
 50 53

<210> 1401
 <211> 232
 <212> PRT
 <213> Homo sapiens

<400> 1401
 Met Leu Phe Ala Phe Ile Ser Leu Leu Val Met Leu Pro Thr Trp Trp
 1 5 10 15
 Ile Val Ser Ser Trp Leu Val Trp Gly Val Ile Leu Phe Val Tyr Leu

```

      20      25      30
Val Ile Arg Ala Leu Arg Leu Trp Arg Thr Ala Lys Leu Gln Val Thr
      35      40      45
Leu Lys Lys Tyr Ser Val His Leu Glu Asp Met Ala Thr Asn Ser Arg
      50      55      60
Ala Phe Thr Asn Leu Val Arg Lys Ala Leu Arg Leu Ile Gln Glu Thr
      65      70      75      80
Glu Val Ile Ser Arg Gly Phe Thr Leu Leu Leu Asp Arg Val Ser Ala
      85      90      95
Ala Cys Pro Phe Asn Lys Ala Gly Gln His Pro Ser Gln His Leu Ile
      100      105      110
Gly Leu Arg Lys Ala Val Tyr Arg Thr Leu Arg Ala Ser Phe Gln Ala
      115      120      125
Ala Arg Leu Ala Thr Leu Tyr Met Leu Lys Asn Tyr Pro Leu Asn Ser
      130      135      140
Glu Ser Asp Asn Val Thr Asn Tyr Ile Cys Val Val Pro Phe Lys Glu
      145      150      155      160
Leu Gly Leu Gly Leu Ser Glu Glu Gln Ile Ser Glu Glu Glu Ala His
      165      170      175
Lys Leu Tyr Arg Trp Leu Gln Pro Ala Cys Ile Glu Gly Phe Val Pro
      180      185      190
Thr Leu Gly Gly Thr Glu Phe Arg Val Leu Gln Thr Val Ser Pro Ile
      195      200      205
Thr Phe Tyr Ser Gln Phe Thr Ser Trp Ala Leu Thr Tyr Ser Ser Thr
      210      215      220
Ser Ala Ser Ser Tyr Leu Ile *
      225      230 231

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<210> 1402
 <211> 48
 <212> PRT
 <213> Homo sapiens

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      <400> 1402
Met Ala Pro Ala Arg Pro Trp Trp Leu Thr Pro Val Ile Pro Ala Leu
      1      5      10      15
Trp Glu Ala Glu Glu Asp Gly Ser Arg Gly Gln Glu Phe Lys Thr Ser
      20      25      30
Leu Ala Ser Met Val Lys Pro Arg Leu Tyr Tyr Lys Tyr Lys Asn *
      35      40      45      47

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<210> 1403
 <211> 53
 <212> PRT
 <213> Homo sapiens

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      <400> 1403
Met Leu Trp Arg Leu Ile Ile Ile Leu Cys Glu Ala Leu Gln Arg Lys
      1      5      10      15
Ser Arg Leu Leu Ala Asp Cys Asp His Phe Ser Phe Pro Asn Arg Tyr
      20      25      30
Glu Arg Lys Leu Leu Leu Asp Phe Thr Val Arg Ile Trp Ile Gln Thr
      35      40      45

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Tyr Cys Pro His *
50 52

<210> 1404
<211> 90
<212> PRT
<213> Homo sapiens

<400> 1404
Met Arg Val Phe Cys Val Gly Leu Leu Leu Phe Ser Val Thr Trp Ala
1 5 10 15
Ala Pro Thr Phe Gln Pro Gln Thr Glu Lys Thr Lys Gln Ser Cys Val
20 25 30
Glu Glu Gln Arg Gln Glu Glu Lys Asn Lys Asp Asn Ile Gly Phe His
35 40 45
His Leu Gly Lys Arg Ile Asn Gln Glu Leu Ser Ser Lys Glu Asn Ile
50 55 60
Val Gln Glu Arg Lys Lys Asp Leu Ser Leu Ser Glu Ala Ser Glu Asn
65 70 75 80
Lys Gly Ser Ser Lys Ser Gln Asn Tyr Phe
85 90

<210> 1405
<211> 477
<212> PRT
<213> Homo sapiens

<400> 1405
Met Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu
1 5 10 15
Ala Ala Cys Gly Trp Leu Leu Gly Ala Glu Ala Gln Glu Pro Gly Ala
20 25 30
Pro Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly
35 40 45
Ile Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val
50 55 60
Ser Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly
65 70 75 80
Arg Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn
85 90 95
Pro Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn
100 105 110
Met His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala
115 120 125
Gln Tyr Leu Cys Asn Glu Tyr Gln Lys Gly Asn Glu Thr Ile Val Asn
130 135 140
Leu Ile His Ser Thr Arg Ile His Ile Met Pro Ser Leu Asn Pro Asp
145 150 155 160
Gly Phe Glu Lys Ala Ala Ser Gln Pro Gly Glu Leu Lys Asp Trp Phe
165 170 175
Val Gly Arg Ser Asn Ala Gln Gly Ile Asp Leu Asn Arg Asn Phe Pro
180 185 190
Asp Leu Asp Arg Ile Val Tyr Val Asn Glu Lys Glu Gly Gly Pro Asn

195	200	205
Asn His Leu Leu Lys	Asn Met Lys Lys Ile Val	Asp Gln Asn Thr Lys
210	215	220
Leu Ala Pro Glu Thr	Lys Ala Val Ile His Trp	Ile Met Asp Ile Pro
225	230	235
Phe Val Leu Ser Ala	Asn Leu His Gly Gly	Asp Leu Val Ala Asn Tyr
245	250	255
Pro Tyr Asp Glu Thr	Arg Ser Gly Ser Ala	His Glu Tyr Ser Ser Ser
260	265	270
Pro Asp Asp Ala Ile	Phe Gln Ser Leu Ala	Arg Ala Tyr Ser Ser Phe
275	280	285
Asn Pro Ala Met Ser	Asp Pro Asn Arg Pro	Pro Cys Arg Lys Asn Asp
290	295	300
Asp Asp Ser Ser Phe	Val Asp Gly Thr Thr	Asn Gly Gly Ala Trp Tyr
305	310	315
Ser Val Pro Gly Gly	Met Gln Asp Phe Asn	Tyr Leu Ser Ser Asn Cys
325	330	335
Phe Glu Ile Thr Val	Glu Leu Ser Cys Glu	Lys Phe Pro Pro Glu Glu
340	345	350
Thr Leu Lys Thr Tyr	Trp Glu Asp Asn Lys	Asn Ser Leu Ile Ser Tyr
355	360	365
Leu Glu Gln Ile His	Arg Gly Val Lys Gly	Phe Val Arg Asp Leu Gln
370	375	380
Gly Asn Pro Ile Ala	Asn Ala Thr Ile Ser	Val Glu Gly Ile Asp His
385	390	395
Asp Val Thr Ser Ala	Lys Asp Gly Asp Tyr	Trp Arg Leu Leu Ile Pro
405	410	415
Gly Asn Tyr Lys Leu	Thr Ala Ser Ala Pro	Gly Tyr Leu Ala Ile Thr
420	425	430
Lys Lys Val Ala Val	Pro Tyr Ser Pro Ala	Ala Gly Val Asp Phe Glu
435	440	445
Leu Glu Ser Phe Ser	Glu Arg Lys Glu Glu	Glu Lys Glu Glu Leu Met
450	455	460
Glu Trp Trp Lys Met	Met Ser Glu Thr Leu	Asn Phe *
465	470	475 476

<210> 1406
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1406
Met Phe Ile Gly Ile Trp Val Ser Leu Tyr Gln Val Leu Trp Leu Lys
1 5 10 15
Glu Leu Leu Trp Gly His Tyr Ile Phe Trp Val Ser Arg Lys Met Phe
20 25 30
Val Tyr Gly Gly Val Gly Gly Lys Thr Ala Asn Ile Cys Arg Lys Gly
35 40 45
Arg Ile Ile Lys Lys Val *
50 54

<210> 1407
 <211> 66
 <212> PRT

<213> Homo sapiens

<400> 1407

```

Met Leu Leu Gly Val Arg Ala Val Pro Leu Cys Ser Ala Trp Gln Gly
 1          5          10          15
Ala Val Gly Leu Val Ser Leu Thr Ile Ser Ile Cys Lys His Gly Leu
          20          25          30
Ser Phe Gln Gln Asn Leu Val Pro Gly Lys Ser Asn Val Pro Lys Ala
          35          40          45
Ser Asp Met Pro Arg Cys Pro Pro Val Asp Ala Ala Ala Asn Ser Arg
          50          55          60
Ser Met
65 66

```

<210> 1408

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1408

```

Met Leu Leu Lys Phe Leu Cys Glu Cys Met Pro Ser Leu Leu Leu Ser
 1          5          10          15
Glu Phe Leu Asp Ser Pro Arg Ser Gly Ile Asp Gly Ser Asn Gly Asn
          20          25          30
Ser Met Phe Asn Phe Val Lys Asn Cys His Phe Pro Thr Ala Ala Ala
          35          40          45
Pro Phe Pro Thr Pro Thr Ser Arg Val *
          50          55          57

```

<210> 1409

<211> 72

<212> PRT

<213> Homo sapiens

<400> 1409

```

Met Ile Glu Thr Trp Leu Trp Leu Leu Leu Leu Asn Val Gly Gly Thr
 1          5          10          15
Gly Gln Trp Ser Gly Pro Thr Phe Arg Arg Glu Asn Val Leu Pro Ala
          20          25          30
Ala His Ile Gly Pro Lys Tyr Gly Pro Leu Leu Pro Ser Thr Ala Lys
          35          40          45
Gly Thr Val Lys Val Ser Cys Pro Ser Ser Thr Pro His Pro Pro Leu
          50          55          60
Gln Gly Lys Gly Thr Pro Asp *
65          70 71

```

<210> 1410

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1410
 Met Arg Phe Leu Leu Leu Trp Phe Ile Leu Arg Gly Arg Gln Leu Val
 1 5 10 15
 Pro Leu Arg Pro Arg Arg Ser Pro Leu Pro Asp Thr Asn Ala Pro Leu
 20 25 30
 Pro Gly Leu Gly Gly Gly Asp Gly Ser Thr Gln Thr Pro Phe Ala Gln
 35 40 45
 Ser Arg Arg Leu *
 50 52

<210> 1411
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1411
 Met Ala Ser Gln Ser Met Cys Phe Leu Trp Leu Ala Pro Val Thr Trp
 1 5 10 15
 Cys Val Met Phe Ser Ser Arg Thr Cys Tyr Ser Pro Cys Gly Asn Phe
 20 25 30
 Ser Thr Ala Pro Gly Arg Val Ile Phe His Ser Trp Asp Arg Ala Gln
 35 40 45
 Phe Val Tyr Ser Phe Leu Ser Arg Trp Arg Leu Gly Leu Phe Pro Pro
 50 55 60
 Leu Ala Ser Val Asn Gly Asp Ala Val Ile Met Gly Val Pro Val Phe
 65 70 75 80
 Val *
 81

<210> 1412
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1412
 Met Phe Leu Leu Leu Phe Cys Leu Met Phe Asp Phe Thr Lys Val Phe
 1 5 10 15
 Phe Ile Leu Leu Leu His Ile Phe Cys Leu Ser Thr Cys Leu Phe Leu
 20 25 30
 Gly Leu His Ile Cys Ala Ser Phe His Ala Arg Ala Leu Leu Glu Thr
 35 40 45
 Ala Leu Ile Leu Leu Arg Met Lys Ile Ala Gly Phe Gln Val Ile Leu
 50 55 60
 Phe Pro Gln Asp Phe Val Leu *
 65 70 71

<210> 1413
 <211> 59
 <212> PRT

<213> Homo sapiens

<400> 1413

Met	Met	Thr	Ile	Lys	Glu	Phe	Thr	Leu	Leu	Leu	Val	Ser	Leu	Gln	Phe
1				5					10					15	
Ser	Thr	Phe	Pro	Ser	Lys	Lys	Phe	Leu	Leu	Glu	Thr	His	Phe	Leu	Lys
			20					25					30		
Asn	Ser	Glu	Asn	Trp	Leu	Gly	Val	Val	Ala	His	Ala	Cys	Ser	Leu	Ser
		35				40						45			
Thr	Leu	Gly	Trp	Pro	Arg	Arg	Arg	Thr	Ala	*					
	50					55			58						

<210> 1414

<211> 78

<212> PRT

<213> Homo sapiens

<400> 1414

Met	Leu	Arg	Leu	Asp	Ile	Ile	Asn	Ser	Leu	Val	Thr	Thr	Val	Phe	Met
1				5					10					15	
Leu	Ile	Val	Ser	Val	Leu	Ala	Leu	Ile	Pro	Glu	Thr	Thr	Thr	Leu	Thr
			20					25					30		
Val	Gly	Gly	Gly	Val	Phe	Ala	Leu	Val	Thr	Ala	Val	Cys	Cys	Leu	Ala
		35				40						45			
Asp	Gly	Ala	Leu	Ile	Tyr	Arg	Lys	Leu	Leu	Phe	Asn	Pro	Ser	Gly	Pro
	50					55				60					
Tyr	Gln	Lys	Lys	Pro	Val	His	Glu	Lys	Lys	Glu	Val	Leu	*		
	65				70					75		77			

<210> 1415

<211> 171

<212> PRT

<213> Homo sapiens

<400> 1415

Met	His	Met	Met	Lys	Leu	Ser	Ile	Lys	Val	Leu	Leu	Gln	Ser	Ala	Leu
1				5					10					15	
Ser	Leu	Gly	Arg	Ser	Leu	Asp	Ala	Asp	His	Ala	Pro	Leu	Gln	Gln	Phe
			20					25					30		
Phe	Val	Val	Met	Glu	His	Cys	Leu	Lys	His	Gly	Leu	Lys	Val	Lys	Lys
		35				40						45			
Ser	Phe	Ile	Gly	Gln	Asn	Lys	Ser	Phe	Phe	Gly	Pro	Leu	Glu	Leu	Val
	50					55				60					
Glu	Lys	Leu	Cys	Pro	Glu	Ala	Ser	Asp	Ile	Ala	Thr	Ser	Val	Arg	Asn
	65				70					75				80	
Leu	Pro	Glu	Leu	Lys	Thr	Ala	Val	Gly	Arg	Gly	Arg	Ala	Trp	Leu	Tyr
			85					90						95	
Leu	Ala	Leu	Met	Gln	Lys	Lys	Leu	Ala	Asp	Tyr	Leu	Lys	Val	Leu	Ile
			100					105					110		
Asp	Asn	Lys	His	Leu	Leu	Ser	Glu	Phe	Tyr	Glu	Pro	Glu	Ala	Leu	Met
		115					120					125			
Met	Glu	Glu	Glu	Gly	Met	Val	Ile	Val	Gly	Leu	Leu	Val	Gly	Leu	Asn

130 135 140
 Val Leu Asp Ala Asn Leu Trp Leu Glu Arg Arg Arg Leu Gly Phe Ser
 145 150 155 160
 Gly Trp Ser Asn Arg Phe Phe Pro Leu Pro *
 165 170

<210> 1416
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1416
 Met Leu Thr Arg Leu Val Leu Ser Ala His Leu Ser Ser Thr Thr Phe
 1 5 10 15
 Pro Pro Trp Thr His Ala Ala Ile Ser Trp Glu Leu Asp Asn Val Leu
 20 25 30
 Met Pro Ser Pro Arg Ile Trp Pro Gln Val Thr Pro Thr Ala Gly Gln
 35 40 45
 Asp Val His Ala Ile Val Thr Arg Thr Cys Glu Ser Val Leu Ser Ser
 50 55 60
 Val Val Tyr Thr His Gly Cys Gly Cys Val Arg Cys *
 65 70 75 76

<210> 1417
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 1417
 Met Glu Lys Ile Pro Glu Ile Gly Lys Phe Gly Glu Lys Ala Pro Pro
 1 5 10 15
 Ala Pro Ser His Val Trp Arg Pro Ala Ala Leu Phe Leu Thr Leu Leu
 20 25 30
 Cys Leu Leu Leu Leu Ile Gly Leu Gly Val Leu Ala Ser Met Phe His
 35 40 45
 Val Thr Leu Lys Ile Glu Met Lys Lys Met Asn Lys Leu Gln Asn Ile
 50 55 60
 Ser Glu Glu Leu Gln Arg Asn Ile Ser Leu Gln Leu Met Ser Asn Met
 65 70 75 80
 Asn Ile Ser Asn Lys Ile Arg Asn Leu Ser Thr Thr Leu Gln Thr Ile
 85 90 95
 Ala Thr Lys Leu Cys Arg Glu Leu Tyr Ser Lys Glu Gln Glu His Lys
 100 105 110
 Cys Lys Pro Cys Pro Arg Arg Trp Ile Trp His Lys Asp Ser Cys Tyr
 115 120 125
 Phe Leu Ser Asp Asp Val Gln Thr Trp Gln Glu Ser Lys Met Ala Cys
 130 135 140
 Ala Ala Gln Asn Ala Ser Leu Leu Lys Ile Asn Asn Lys Asn Ala Leu
 145 150 155 160
 Glu Phe Ile Lys Ser Gln Ser Arg Ser Tyr Asp Tyr Trp Leu Gly Leu
 165 170 175
 Ser Pro Glu Glu Asp Ser Thr Arg Gly Met Arg Val Asp Asn Ile Ile
 180 185 190

Asn Ser Ser Ala Trp Val Ile Arg Asn Ala Pro Asp Leu Asn Asn Met
 195 200 205
 Tyr Cys Gly Tyr Ile Asn Arg Leu Tyr Val Gln Tyr Tyr His Cys Thr
 210 215 220
 Tyr Lys Gln Arg Met Ile Cys Glu Lys Met Ala Asn Pro Val Gln Leu
 225 230 235 240
 Gly Ser Thr Tyr Phe Arg Glu Ala *
 245 248

<210> 1418
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1418
 Met Gly Leu Lys Asn Val Phe Leu Pro Val Phe Leu Pro Phe Leu Leu
 1 5 10 15
 Tyr Ser Glu Phe Leu Ser Leu Pro Pro Ser Leu Ser Ser Ser Leu Leu
 20 25 30
 Pro Phe Leu Pro Phe Ser Leu Pro Gly His Phe Ser Asn Leu His Gln
 35 40 45
 Arg Tyr Leu Lys Cys Trp Tyr Leu Arg Ile Ser Val Thr Pro Leu Ile
 50 55 60 64
 *

<210> 1419
 <211> 468
 <212> PRT
 <213> Homo sapiens

<400> 1419
 Met Leu Leu Leu Leu Leu Leu Pro Leu Leu Trp Gly Arg Glu Arg Val
 1 5 10 15
 Glu Gly Gln Lys Ser Asn Arg Lys Asp Tyr Ser Leu Thr Met Gln Ser
 20 25 30
 Ser Val Thr Val Gln Glu Gly Met Cys Val His Val Arg Cys Ser Phe
 35 40 45
 Ser Tyr Pro Val Asp Ser Gln Thr Asp Ser Asp Pro Val His Gly Tyr
 50 55 60
 Trp Phe Arg Ala Gly Asn Asp Ile Ser Trp Lys Ala Pro Val Ala Thr
 65 70 75 80
 Asn Asn Pro Ala Trp Ala Val Gln Glu Glu Thr Arg Asp Arg Phe His
 85 90 95
 Leu Leu Gly Asp Pro Gln Thr Lys Asn Cys Thr Leu Ser Ile Arg Asp
 100 105 110
 Ala Arg Met Ser Asp Ala Gly Arg Tyr Phe Phe Arg Met Glu Lys Gly
 115 120 125
 Asn Ile Lys Trp Asn Tyr Lys Tyr Asp Gln Leu Ser Val Asn Val Thr
 130 135 140
 Ala Leu Thr His Arg Pro Asn Ile Leu Ile Pro Gly Thr Leu Glu Ser
 145 150 155 160
 Gly Cys Phe Gln Asn Leu Thr Cys Ser Val Pro Trp Ala Cys Glu Gln

165 170 175
 Gly Thr Pro Pro Met Ile Ser Trp Met Gly Thr Ser Val Ser Pro Leu
 180 185 190
 His Pro Ser Thr Thr Arg Ser Ser Val Leu Thr Leu Ile Pro Gln Pro
 195 200 205
 Gln His His Gly Thr Ser Leu Thr Cys Gln Val Thr Leu Pro Gly Ala
 210 215 220
 Gly Val Thr Thr Asn Arg Thr Ile Gln Leu Asn Val Ser Tyr Pro Pro
 225 230 235 240
 Gln Asn Leu Thr Val Thr Val Phe Gln Gly Glu Gly Thr Ala Ser Thr
 245 250 255
 Ala Leu Gly Asn Ser Ser Ser Leu Ser Val Leu Glu Gly Gln Ser Leu
 260 265 270
 Arg Leu Val Cys Ala Val Asp Ser Asn Pro Pro Ala Arg Leu Ser Trp
 275 280 285
 Thr Trp Arg Ser Leu Thr Leu Tyr Pro Ser Gln Pro Ser Asn Pro Leu
 290 295 300
 Val Leu Glu Leu Gln Val His Leu Gly Asp Glu Gly Glu Phe Thr Cys
 305 310 315 320
 Arg Ala Gln Asn Ser Leu Gly Ser Gln His Val Ser Leu Asn Leu Ser
 325 330 335
 Leu Gln Gln Glu Tyr Thr Gly Lys Met Arg Pro Val Ser Gly Val Leu
 340 345 350
 Leu Gly Ala Val Gly Gly Ala Gly Ala Thr Ala Leu Val Phe Leu Ser
 355 360 365
 Phe Cys Val Ile Phe Ile Val Val Arg Ser Cys Arg Lys Lys Ser Ala
 370 375 380
 Arg Pro Ala Ala Asp Val Gly Asp Ile Gly Met Lys Asp Ala Asn Thr
 385 390 395 400
 Ile Arg Gly Ser Ala Ser Gln Gly Asn Leu Thr Glu Ser Trp Ala Asp
 405 410 415
 Asp Asn Pro Arg His His Gly Leu Ala Ala His Ser Ser Gly Glu Glu
 420 425 430
 Arg Glu Ile Gln Tyr Ala Pro Leu Ser Phe His Lys Gly Glu Pro Gln
 435 440 445
 Asp Leu Ser Gly Gln Glu Ala Thr Asn Asn Glu Tyr Ser Glu Ile Lys
 450 455 460
 Ile Pro Lys *
 465 467

<210> 1420
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 1420
 Met Ile Arg Cys Leu Ala Gln Pro Ala Ala Val Leu Ser Ser Leu Gly
 1 5 10 15
 Leu Ala Gln Val Leu Gly Asp Ser Gly Arg Asp Glu Gln Val Leu Leu
 20 25 30
 Arg Arg Ser Phe Arg Ala Glu Gly Cys Val Leu Cys Leu Cys Thr Trp
 35 40 45
 Gly Thr Ala Val Pro Trp His Lys Val Glu Gly Ser Gly Gly Pro Cys
 50 55 60
 Arg Ser Ala Ala Pro Leu Pro Ala Ser Ala Pro Phe Ser Ile Asp Gly
 65 70 75 80

Arg Ala Val Pro Trp Val Phe Ser Ala Leu Gln Ala Glu Val Gly Val
 85 90 95
 Leu Gly Glu Gln Met Arg Asp Gly Arg Gly Leu Cys Gly Ser His Pro
 100 105 110
 Trp Val Leu Gln Leu Ser Trp Pro Gly Val Phe Pro Gln Cys Trp Leu
 115 120 125
 Cys Pro Arg Leu Val Cys Leu Ala Lys Gln Asn Trp Gln Cys Pro Phe
 130 135 140
 Glu Thr Pro Arg Lys *
 145 149

<210> 1421
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 1421
 Met Tyr Val Phe Leu Leu Cys Pro Ala Cys Gly Arg Leu Met Gly Ser
 1 5 10 15
 Thr Tyr Met Arg Leu Leu Pro Gln Ser Glu Pro Ala Leu His Asn Arg
 20 25 30
 Ile Leu Arg Gln Thr Glu Pro Leu Leu Tyr Phe Lys Arg Gly Lys Gln
 35 40 45
 Gln Gly Leu Phe Tyr Ala Ser Phe Pro Ala Val His Arg Met Asp Ser
 50 55 60
 Leu Leu Arg Arg Thr Val Val Ile Leu Tyr Lys Arg Thr Asn Thr Val
 65 70 75 80
 Gly Val Ser Leu Phe Gln Asn Ala *
 85 88

<210> 1422
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 1422
 Met Met Thr Trp Ala Ser Leu Ala Leu Gly Leu Thr Arg Ala Leu Gly
 1 5 10 15
 Gly Met Gly Ser Phe Leu Leu Arg Ile Leu Gly Trp Ser Trp Ala Met
 20 25 30
 Gly Ser Arg Ser Arg Ala Arg Trp Pro Arg Gly Arg Leu Gly Phe Thr
 35 40 45
 Ser Met Leu Ser Cys Met Arg Gln Cys Ser Val Cys Arg Met Ile Met
 50 55 60
 Ser Leu Val Glu Val Leu Val Ala Thr Ser Gln Val Val Lys Leu Trp
 65 70 75 80
 Ser Arg *
 82

<210> 1423
 <211> 54

<212> PRT

<213> Homo sapiens

<400> 1423

```

Met Ile Leu Phe Pro Leu Cys Pro Ser Ile Leu Ser Leu Lys Pro Lys
 1           5           10           15
Lys Lys Glu Ala Leu Pro Ser Leu Ser Val Met Gly Thr Val Phe Leu
           20           25           30
Leu Val Ser Cys Ser Leu Pro Ser Pro Ala Ala Cys Gly Arg Asn Ala
           35           40           45
Ala Thr Ala Gln His *
           50           53

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<210> 1424

<211> 73

<212> PRT

<213> Homo sapiens

<400> 1424

```

Met Cys Phe Ser Cys Leu Pro Leu Gln Cys Leu Ala Met Gly His Lys
 1           5           10           15
His Tyr Pro Ala Val Gly Arg Leu Ala Lys Arg Ser Gln Leu Ala Ser
           20           25           30
Pro Ala Ser Ser Arg Glu Trp Asn His Gly Ser Asn Thr Leu Leu Arg
           35           40           45
Lys Gln Lys Leu Tyr Gly His Ile Phe His Leu Leu Ser Pro Arg Asn
           50           55           60
His Met Tyr Cys Asp Pro Ala His *
           65           70           72

```

<210> 1425

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1425

```

Met Ala Cys Tyr Leu Leu Val Ala Asn Ile Leu Leu Val Asn Leu Leu
 1           5           10           15
Ile Ala Val Phe Asn Asn Thr Phe Phe Glu Val Lys Ser Ile Ser Asn
           20           25           30
Gln Val Trp Lys Phe Gln Arg Tyr Gln Leu Ile Met Thr Phe His Glu
           35           40           45
Arg Pro Val Leu Pro Pro Pro Leu Ile Ile Phe Ser His Met Thr Met
           50           55           60
Ile Phe Gln His Leu Cys Cys Arg Trp Arg Lys His Glu Ser Asp Pro
           65           70           75           80
Asp Glu Arg Asp Tyr Gly Leu Lys Leu Phe Ile Thr Asp Asp Glu Leu
           85           90           95
Lys Lys Val His Asp Phe Glu Glu Gln Cys Ile Glu Glu Tyr Phe Arg
           100           105           110
Glu Lys Asp Asp Arg Phe Asn Ser Ser Asn Asp Glu Arg Ile Arg Val
           115           120           125

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Thr Ser Glu Arg Val Glu Asn Met Ser Met Arg Leu Glu Glu Val Asn
 130 135 140
 Glu Arg Glu His Ser Met Lys Ala Ser Leu Gln Thr Val Asp Ile Arg
 145 150 155 160
 Leu Ala Gln Leu Glu Asp Leu Ile Gly Arg Met Ala Thr Ala Leu Glu
 165 170 175
 Arg Leu Thr Gly Leu Glu Arg Ala Glu Ser Asn Lys Ile Arg Ser Arg
 180 185 190
 Thr Ser Ser Asp Cys Thr Asp Ala Arg Leu His Trp Pro Val Arg Ala
 195 200 205
 Ala Leu Thr Ser Gln Glu Arg Glu His Leu Ser Ala Pro Lys Arg Gly
 210 215 220
 Leu Glu Pro Trp Gln Asn Ile Leu Phe Ile Gln Tyr Lys Pro Ala Ala
 225 230 235 240
 Ser Ser Ser Thr *
 244

<210> 1426
 <211> 520
 <212> PRT
 <213> Homo sapiens

<221> misc_feature
 <222> (1)...(520)
 <223> Xaa = any amino acid or nothing

<400> 1426
 Met Asp Ile Leu Leu Leu Leu Leu Phe Phe Met Ile Ile Phe Ala Ile
 1 5 10 15
 Leu Gly Phe Tyr Leu Phe Ser Pro Asn Pro Ser Asp Pro Tyr Phe Ser
 20 25 30
 Thr Leu Glu Asn Ser Ile Val Ser Leu Phe Val Leu Leu Thr Thr Ala
 35 40 45
 Asn Phe Pro Asp Val Met Met Pro Ser Tyr Ser Arg Asn Pro Trp Ser
 50 55 60
 Cys Val Phe Phe Ile Val Tyr Leu Ser Ile Glu Leu Tyr Phe Ile Met
 65 70 75 80
 Asn Leu Leu Leu Ala Val Val Phe Asp Thr Phe Asn Asp Ile Glu Lys
 85 90 95
 Arg Lys Phe Lys Ser Leu Leu Leu His Lys Arg Thr Ala Ile Gln His
 100 105 110
 Ala Tyr Arg Leu Leu Ile Ser Gln Arg Arg Pro Ala Gly Ile Ser Tyr
 115 120 125
 Arg Gln Phe Glu Gly Leu Met Arg Phe Tyr Lys Pro Arg Met Ser Ala
 130 135 140
 Arg Glu Arg Tyr Leu Thr Phe Lys Ala Leu Asn Gln Asn Asn Thr Pro
 145 150 155 160
 Leu Leu Ser Leu Lys Asp Phe Tyr Asp Ile Tyr Glu Val Ala Ala Leu
 165 170 175
 Lys Trp Lys Ala Thr Lys Asn Arg Glu His Trp Val Asp Glu Leu Pro
 180 185 190
 Arg Thr Ala Leu Leu Ile Phe Lys Gly Ile Asn Ile Leu Val Lys Ala
 195 200 205
 Lys Ala Phe Gln Tyr Phe Met Tyr Leu Val Val Ala Val Asn Gly Val
 210 215 220
 Trp Ile Leu Val Glu Thr Phe Met Leu Lys Gly Gly Asn Phe Phe Ser

[illegible]

```
<210> 1427
<211> 106
<212> PRT
<213> Homo sapiens
```

<400> 1427																
Met	Ser	Pro	Gln	His	Leu	Leu	Leu	Thr	Leu	Pro	Leu	Pro	Leu	Arg	Ser	
1				5					10					15		
Pro	Ile	Leu	Phe	Ser	His	Thr	Ala	Gln	Leu	Leu	Val	Leu	Thr	Arg	Ile	
			20					25					30			
Ala	Phe	Arg	Ala	Cys	Glu	Leu	Phe	Phe	Phe	Val	Met	Val	Ser	Leu	Cys	
		35					40					45				
Cys	Pro	Gly	Ile	His	Ser	Phe	Ile	Ala	Thr	Ile	Thr	Tyr	Glu	Arg	Asn	
	50					55					60					
Ala	Phe	Gln	Ser	Ile	Ser	Ser	Val	Gln	Gln	Gln	His	Leu	His	Phe	Gly	
65					70					75					80	
Cys	Ala	Leu	Ser	Pro	Pro	Ala	Pro	Arg	Glu	Ser	Phe	Ser	Pro	Cys	Leu	
				85					90					95		

Thr Thr His Arg Leu Pro Ser Cys Phe *
 100 105

<210> 1428
 <211> 841
 <212> PRT
 <213> Homo sapiens

<400> 1428
 Met Ala Leu Ala Ser Ala Ala Pro Gly Ser Ile Phe Cys Lys Gln Leu
 1 5 10 15
 Leu Phe Ser Leu Leu Val Leu Thr Leu Leu Cys Asp Ala Cys Gln Lys
 20 25 30
 Val Tyr Leu Arg Val Pro Ser His Leu Gln Ala Glu Thr Leu Val Gly
 35 40 45
 Lys Val Asn Leu Glu Glu Cys Leu Lys Ser Ala Ser Leu Ile Arg Ser
 50 55 60
 Ser Asp Pro Ala Phe Arg Ile Leu Glu Asp Gly Ser Ile Tyr Thr Thr
 65 70 75 80
 His Asp Leu Ile Leu Ser Ser Glu Arg Lys Ser Phe Ser Ile Phe Leu
 85 90 95
 Ser Asp Gly Gln Arg Arg Glu Gln Gln Glu Ile Lys Val Val Leu Ser
 100 105 110
 Ala Arg Glu Asn Lys Ser Pro Lys Lys Arg His Thr Lys Asp Thr Ala
 115 120 125
 Leu Lys Arg Ser Lys Arg Arg Trp Ala Pro Ile Pro Ala Ser Leu Met
 130 135 140
 Glu Asn Ser Leu Gly Pro Phe Pro Gln His Val Gln Gln Ile Gln Ser
 145 150 155 160
 Asp Ala Ala Gln Asn Tyr Thr Ile Phe Tyr Ser Ile Ser Gly Pro Gly
 165 170 175
 Val Asp Lys Glu Pro Phe Asn Leu Phe Tyr Ile Glu Lys Asp Thr Gly
 180 185 190
 Asp Ile Phe Cys Thr Arg Ser Ile Asp Arg Glu Lys Tyr Glu Gln Phe
 195 200 205
 Ala Leu Tyr Gly Tyr Ala Thr Thr Ala Asp Gly Tyr Ala Pro Glu Tyr
 210 215 220
 Pro Leu Pro Leu Ile Ile Lys Ile Glu Asp Asp Asn Asp Asn Ala Pro
 225 230 235 240
 Tyr Phe Glu His Arg Val Thr Ile Phe Thr Val Pro Glu Asn Cys Arg
 245 250 255
 Ser Gly Thr Ser Val Gly Lys Val Thr Ala Thr Asp Leu Asp Glu Pro
 260 265 270
 Asp Thr Leu His Thr Arg Leu Lys Tyr Lys Ile Leu Gln Gln Ile Pro
 275 280 285
 Asp His Pro Lys His Phe Ser Ile His Pro Asp Thr Gly Val Ile Thr
 290 295 300
 Thr Thr Thr Pro Phe Leu Asp Arg Glu Lys Cys Asp Thr Tyr Gln Leu
 305 310 315 320
 Ile Met Glu Val Arg Asp Met Gly Gly Gln Pro Phe Gly Leu Phe Asn
 325 330 335
 Thr Gly Thr Ile Thr Ile Ser Leu Glu Asp Glu Asn Asp Asn Pro Pro
 340 345 350
 Ser Phe Thr Glu Thr Ser Tyr Val Thr Glu Val Glu Glu Asn Arg Ile
 355 360 365
 Asp Val Glu Ile Leu Arg Met Lys Val Gln Asp Gln Asp Leu Pro Asn

370 375 380
 Thr Pro His Ser Lys Ala Val Tyr Lys Ile Leu Gln Gly Asn Glu Asn
 385 390 395 400
 Gly Asn Phe Ile Ile Ser Thr Asp Pro Asn Thr Asn Glu Gly Val Leu
 405 410 415
 Cys Val Val Lys Pro Leu Asn Tyr Glu Val Asn Arg Gln Val Ile Leu
 420 425 430
 Gln Val Gly Val Ile Asn Glu Ala Gln Phe Ser Lys Ala Ala Ser Ser
 435 440 445
 Gln Thr Pro Thr Met Cys Thr Thr Thr Val Thr Val Lys Ile Ile Asp
 450 455 460
 Ser Asp Glu Gly Pro Glu Cys His Pro Pro Val Lys Val Ile Gln Ser
 465 470 475 480
 Gln Asp Gly Phe Pro Ala Gly Gln Glu Leu Leu Gly Tyr Lys Ala Leu
 485 490 495
 Asp Pro Glu Ile Ser Ser Gly Glu Gly Leu Arg Tyr Gln Lys Leu Gly
 500 505 510
 Asp Glu Asp Asn Trp Phe Glu Ile Asn Gln His Thr Gly Asp Leu Arg
 515 520 525
 Thr Leu Lys Val Leu Asp Arg Glu Ser Lys Phe Val Lys Asn Asn Gln
 530 535 540
 Tyr Asn Ile Ser Val Val Ala Gly Asp Ala Val Gly Arg Ser Cys Thr
 545 550 555 560
 Gly Thr Leu Val Val His Leu Asp Asp Tyr Asn Asp His Ala Pro Gln
 565 570 575
 Ile Asp Lys Glu Val Thr Ile Cys Gln Asn Asn Glu Asp Phe Val Val
 580 585 590
 Leu Lys Pro Val Asp Pro Asp Gly Pro Glu Asn Gly Pro Pro Phe Gln
 595 600 605
 Phe Phe Leu Asp Asn Ser Ala Ser Lys Asn Trp Asn Ile Lys Lys Lys
 610 615 620
 Asp Gly Lys Thr Ala Ile Leu Arg Gln Arg Gln Asn Leu Asp Tyr Asn
 625 630 635 640
 Tyr Tyr Ser Val Pro Ile Gln Ile Lys Asp Arg His Gly Leu Val Ala
 645 650 655
 Thr His Met Leu Thr Val Arg Val Cys Asp Cys Ser Thr Pro Ser Glu
 660 665 670
 Cys Thr Met Lys Asp Lys Ser Thr Arg Asp Val Arg Pro Asn Val Ile
 675 680 685
 Leu Gly Arg Trp Ala Ile Leu Ala Met Val Leu Gly Ser Val Leu Leu
 690 695 700
 Leu Cys Ile Leu Phe Thr Cys Phe Cys Val Thr Ala Lys Arg Thr Val
 705 710 715 720
 Lys Lys Cys Phe Pro Glu Asp Ile Ala Gln Gln Asn Leu Ile Val Ser
 725 730 735
 Asn Thr Glu Gly Pro Gly Glu Glu Val Thr Glu Ala Asn Ile Arg Leu
 740 745 750
 Pro Met Gln Thr Ser Asn Ile Cys Asp Thr Ser Met Ser Val Gly Thr
 755 760 765
 Val Gly Gly Gln Gly Ile Lys Thr Gln Gln Ser Phe Glu Met Val Lys
 770 775 780
 Gly Gly Tyr Thr Leu Asp Ser Asn Lys Gly Gly Gly His Gln Thr Leu
 785 790 795 800
 Glu Ser Val Lys Gly Val Gly Gln Gly Asp Thr Gly Arg Tyr Ala Tyr
 805 810 815
 Thr Asp Trp Gln Ser Phe Thr Gln Pro Arg Leu Gly Glu Glu Ser Ile
 820 825 830
 Arg Gly His Thr Leu Ile Lys Asn *
 835 840

<210> 1429
 <211> 262
 <212> PRT
 <213> Homo sapiens

<400> 1429
 Met Glu Leu Leu Gln Val Thr Ile Leu Phe Leu Leu Pro Ser Ile Cys
 1 5 10 15
 Ser Ser Asn Ser Thr Gly Val Leu Glu Ala Ala Asn Asn Ser Leu Val
 20 25 30
 Val Thr Thr Thr Lys Pro Ser Ile Thr Thr Pro Asn Thr Glu Ser Leu
 35 40 45
 Gln Lys Asn Val Val Thr Pro Thr Thr Gly Thr Thr Pro Lys Gly Thr
 50 55 60
 Ile Thr Asn Glu Leu Leu Lys Met Ser Leu Met Ser Thr Ala Thr Phe
 65 70 75 80
 Leu Thr Ser Lys Asp Glu Gly Leu Lys Ala Thr Thr Thr Asp Val Arg
 85 90 95
 Lys Asn Asp Ser Ile Ile Ser Asn Val Thr Val Thr Ser Val Thr Leu
 100 105 110
 Pro Asn Ala Val Ser Thr Leu Gln Ser Ser Lys Pro Lys Thr Glu Thr
 115 120 125
 Gln Ser Ser Ile Lys Thr Thr Glu Ile Pro Gly Ser Val Leu Gln Pro
 130 135 140
 Asp Ala Ser Pro Ser Lys Thr Gly Thr Leu Thr Ser Ile Pro Val Thr
 145 150 155 160
 Ile Pro Glu Asn Thr Ser Gln Ser Gln Val Ile Gly Thr Glu Gly Gly
 165 170 175
 Lys Asn Ala Ser Thr Ser Ala Thr Ser Arg Ser Tyr Ser Ser Ile Ile
 180 185 190
 Leu Pro Val Val Ile Ala Leu Ile Val Ile Thr Leu Ser Val Phe Val
 195 200 205
 Leu Val Gly Leu Tyr Arg Met Cys Trp Lys Ala Asp Pro Gly Thr Pro
 210 215 220
 Glu Asn Gly Asn Asp Gln Pro Gln Ser Asp Lys Glu Ser Val Lys Leu
 225 230 235 240
 Leu Thr Val Lys Thr Ile Ser His Glu Ser Gly Glu His Ser Ala Gln
 245 250 255
 Gly Lys Thr Lys Asn *
 260 261

<210> 1430
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 1430
 Met Ser Tyr Thr Ala Phe Leu Ser Val Cys Cys Leu Pro Leu Leu Pro
 1 5 10 15
 Leu Cys Asp Phe Ala Leu Tyr Val Leu Leu Asp Lys Phe Lys Gly Gly
 20 25 30
 Phe Arg Gln Gln Asn Ser Pro Gln Ser Ile Tyr Gln His Asn Pro Tyr

His Gly Ser Val Gly Gln Cys Trp Cys Val Asp Arg Tyr Gly Asn Glu
 355 360 365
 Val Met Gly Ser Arg Ile Asn Gly Val Ala Asp Cys Ala Ile Asp Phe
 370 375 380
 Glu Ile Ser Gly Asp Phe Ala Ser Gly Asp Phe His Glu Trp Thr Asp
 385 390 395 400
 Asp Glu Asp Asp Glu Asp Asp Ile Met Asn Asp Glu Asp Glu Ile Glu
 405 410 415
 Asp Asp Asp Glu Asp Glu Gly Asp Asp Asp Asp Gly Gly Asp Asp His
 420 425 430
 Asp Val Tyr Ile *
 435 436

<210> 1432
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1432
 Met Ser Tyr Val Glu Ile Leu Ile Pro Val Leu Leu Cys Leu His Ala
 1 5 10 15
 Phe Phe Pro Ser Arg Arg His Val Ala Trp Phe Leu Ile Phe Ile
 20 25 30
 Cys Lys Phe Phe Lys Phe Cys Leu Ile Leu Lys Phe Ile Ile Leu Ile
 35 40 45
 Leu Asn Tyr Leu *
 50 52

<210> 1433
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1433
 Met Glu Leu Lys Gly Phe Trp Leu Cys Leu Phe Leu Arg Phe Val Lys
 1 5 10 15
 Trp Phe Val Asn Lys Gly Met Ile Leu Cys Thr Leu Phe Tyr Asn Leu
 20 25 30
 Ile Tyr Ser Leu Tyr Asn Met Cys Trp Thr Val Leu Trp Ile Arg Lys
 35 40 45
 Tyr Gln Thr Leu Leu Lys Glu Ser Phe Phe Ser Leu Asn Thr Phe Leu
 50 55 60
 Phe Lys Asp Lys Ala Ser Thr Ser Ile Pro Leu *
 65 70 75

<210> 1434
 <211> 169
 <212> PRT
 <213> Homo sapiens

<400> 1434

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Met Glu Ser Trp Trp Gly Leu Pro Cys Leu Ala Phe Leu Cys Phe Leu
 1          5          10          15
Met His Ala Arg Gly Gln Arg Asp Phe Asp Leu Ala Asp Ala Leu Asp
          20          25          30
Asp Pro Glu Pro Thr Lys Lys Pro Asn Ser Asp Ile Tyr Pro Lys Pro
          35          40          45
Lys Pro Pro Tyr Tyr Pro Gln Pro Glu Asn Pro Asp Ser Gly Gly Asn
          50          55          60
Ile Tyr Pro Arg Pro Lys Pro Arg Pro Gln Pro Gln Pro Gly Asn Ser
          65          70          75          80
Gly Asn Ser Gly Gly Ser Tyr Phe Asn Asp Val Asp Arg Asp Asp Gly
          85          90          95
Arg Tyr Pro Pro Arg Pro Arg Pro Arg Pro Pro Ala Gly Gly Gly Gly
          100          105          110
Gly Gly Tyr Ser Ser Tyr Gly Asn Ser Asp Asn Thr His Gly Gly Asp
          115          120          125
His His Ser Thr Tyr Gly Asn Pro Glu Gly Asn Met Val Ala Lys Ile
          130          135          140
Val Ser Pro Ile Val Ser Val Val Val Val Thr Leu Leu Gly Ala Ala
          145          150          155          160
Ala Gln Leu Phe Gln Thr Lys Gln *
          165          168

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<210> 1435

<211> 162

<212> PRT

<213> Homo sapiens

<400> 1435

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Met Arg Phe Val Thr Leu Ser Ser Ala Cys Leu Cys Pro Cys Pro Leu
 1          5          10          15
Gly Pro Cys Trp Thr Arg His Pro Ser Tyr Gly Asn Leu His Glu Ala
          20          25          30
Ser Thr Ser Leu Pro Pro Arg His Trp Thr Gly Ala Arg Lys Trp Asn
          35          40          45
Glu Ser Ser His Cys Leu Lys Ser Trp Arg Pro Ser Ser Ala Ser Gly
          50          55          60
Ser Pro Glu Asn Leu Gly Ser Asp Arg Arg Thr Glu Thr Glu Gly Arg
          65          70          75          80
Glu Arg Asp Cys Asp Arg Glu Ala Glu Glu Gly Asp Arg Val Arg Glu
          85          90          95
Glu Gln Asn Ser Leu Gln Trp Glu Gln Arg Gln Lys Cys Gly Gly Pro
          100          105          110
Thr Gly Arg Gly Gly Arg Glu Gly Glu Gly Arg Arg Glu Gly Gln Leu
          115          120          125
Pro Val Gln Val Ala Val Arg Ala Leu Gly Leu Gly Arg Gly Thr Leu
          130          135          140
Leu Leu Leu Ala Ser His Thr Gly Ser Ile Arg Gly Pro Arg Glu Gln
          145          150          155          160
Val Ser
          162

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<210> 1436

<211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1436
 Met Trp Ile Val Leu Leu Gly Gly Phe Val Gly Pro Leu Tyr Leu Thr
 1 5 10 15
 Pro Ala Pro Ser Pro Cys Thr His Thr Leu Gly Val Arg Ala Val Pro
 20 25 30
 Leu Val Thr Gly Leu Thr Ser Gln Leu Trp Leu Asn Ala Ala Gly Glu
 35 40 45
 Ser Leu Thr Tyr Arg Met Trp Ser Met Ala Ser Met Thr Glu Gln Pro
 50 55 60
 Glu Leu Ser Glu Met Tyr Met Leu Pro Thr Leu His Glu
 65 70 75 77

<210> 1437
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1437
 Met Cys Ser Leu Pro Arg His Leu Leu Phe Leu Ile Ile Phe Arg Ala
 1 5 10 15
 Tyr Ser Leu Ala Val Asp Leu Ser Thr His Ser Leu Thr Thr Ala Lys
 20 25 30
 Phe Pro Ser Pro Ile Val Leu Pro Thr Leu Tyr Arg Ser Val Ile Val
 35 40 45
 Ala Gly Ile Trp Lys Pro Ser Ser Asp Thr Ser Ser Pro Gly Pro Ser
 50 55 60
 Phe Ser Ser Ile Glu Leu Gln Thr Leu Val Asp Ala Ser Asp Val Glu
 65 70 75 80
 Glu Pro Pro Cys *
 84

<210> 1438
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1438
 Met Ile Gly Asp Ile Leu Leu Phe Gly Thr Leu Leu Met Asn Ala Gly
 1 5 10 15
 Ala Val Leu Asn Phe Lys Leu Lys Lys Lys Asp Thr Gln Gly Phe Gly
 20 25 30
 Glu Glu Ser Arg Glu Pro Ser Thr Gly Asp Asn Ile Arg Glu Phe Leu
 35 40 45
 Leu Ser Leu Arg Tyr Phe Arg Ile Phe Ile Ala Leu Trp Asn Ile Phe
 50 55 60
 Met Met Phe Cys Met Ile Val Leu Phe Gly Ser *
 65 70 75

<210> 1439
 <211> 425
 <212> PRT
 <213> Homo sapiens

<400> 1439
 Met Ser Leu Thr Ile Trp Thr Val Cys Gly Val Leu Ser Leu Phe Gly
 1 5 10 15
 Ala Leu Ser Tyr Ala Glu Leu Gly Thr Thr Ile Lys Lys Ser Gly Gly
 20 25 30
 His Tyr Thr Tyr Ile Leu Glu Val Phe Gly Pro Leu Pro Ala Phe Val
 35 40 45
 Arg Val Trp Val Glu Leu Leu Ile Ile Arg Pro Ala Ala Thr Ala Val
 50 55 60
 Ile Ser Leu Ala Phe Gly Arg Tyr Ile Leu Glu Pro Phe Phe Ile Gln
 65 70 75 80
 Cys Glu Ile Pro Glu Leu Ala Ile Lys Leu Ile Thr Ala Val Gly Ile
 85 90 95
 Thr Val Val Met Val Leu Asn Ser Met Ser Val Ser Trp Ser Ala Arg
 100 105 110
 Ile Gln Ile Phe Leu Thr Phe Cys Lys Leu Thr Ala Ile Leu Ile Ile
 115 120 125
 Ile Val Pro Gly Val Met Gln Leu Ile Lys Gly Gln Thr Gln Asn Phe
 130 135 140
 Lys Asp Ala Phe Ser Gly Arg Asp Ser Ser Ile Thr Arg Leu Pro Leu
 145 150 155 160
 Ala Phe Tyr Tyr Gly Met Tyr Ala Tyr Ala Gly Trp Phe Tyr Leu Asn
 165 170 175
 Phe Val Thr Glu Glu Val Glu Asn Pro Glu Lys Thr Ile Pro Leu Ala
 180 185 190
 Ile Cys Ile Ser Met Ala Ile Val Thr Ile Gly Tyr Val Leu Thr Asn
 195 200 205
 Val Ala Tyr Phe Thr Thr Ile Asn Ala Glu Glu Leu Leu Leu Ser Asn
 210 215 220
 Ala Val Ala Val Thr Phe Ser Glu Arg Leu Leu Gly Asn Phe Ser Leu
 225 230 235 240
 Ala Val Pro Ile Phe Val Ala Leu Ser Cys Phe Gly Ser Met Asn Gly
 245 250 255
 Gly Val Phe Ala Val Ser Arg Leu Phe Tyr Val Ala Ser Arg Glu Gly
 260 265 270
 His Leu Pro Glu Ile Leu Ser Met Ile His Val Arg Lys His Thr Pro
 275 280 285
 Leu Pro Ala Val Ile Val Leu His Pro Leu Thr Met Ile Met Leu Phe
 290 295 300
 Ser Gly Asp Leu Asp Ser Leu Leu Asn Phe Leu Ser Phe Ala Arg Trp
 305 310 315 320
 Leu Phe Ile Gly Leu Ala Val Ala Gly Leu Ile Tyr Leu Arg Tyr Lys
 325 330 335
 Cys Pro Asp Met His Arg Pro Phe Lys Val Pro Leu Phe Ile Pro Ala
 340 345 350
 Leu Phe Ser Phe Thr Cys Leu Phe Met Val Ala Leu Ser Leu Tyr Ser
 355 360 365
 Asp Pro Phe Ser Thr Gly Ile Gly Phe Val Ile Thr Leu Thr Gly Val
 370 375 380
 Pro Ala Tyr Tyr Leu Phe Ile Ile Trp Asp Lys Lys Pro Arg Trp Phe
 385 390 395 400

Arg Ile Met Ser Glu Lys Ile Thr Arg Thr Leu Gln Ile Ile Leu Glu
 405 410 415
 Val Val Pro Glu Glu Asp Lys Leu *
 420 424

<210> 1440
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1440
 Met Ser Val Phe Trp Gly Phe Val Gly Phe Leu Val Pro Trp Phe Ile
 1 5 10 15
 Pro Lys Gly Pro Asn Arg Gly Val Ile Ile Thr Met Leu Val Thr Cys
 20 25 30
 Ser Val Cys Cys Tyr Leu Phe Trp Leu Ile Ala Ile Leu Ala Gln Leu
 35 40 45
 Asn Pro Leu Phe Gly Pro Gln Leu Lys Asn Glu Thr Ile Trp Tyr Leu
 50 55 60
 Lys Tyr His Trp Pro *
 65 69

<210> 1441
 <211> 1691
 <212> PRT
 <213> Homo sapiens

<400> 1441
 Met Trp Ser Leu His Ile Val Leu Met Arg Cys Ser Phe Arg Leu Thr
 1 5 10 15
 Lys Ser Leu Ala Thr Gly Pro Trp Ser Leu Ile Leu Ile Leu Phe Ser
 20 25 30
 Val Gln Tyr Val Tyr Gly Ser Gly Lys Lys Tyr Ile Gly Pro Cys Gly
 35 40 45
 Gly Arg Asp Cys Ser Val Cys His Cys Val Pro Glu Lys Gly Ser Arg
 50 55 60
 Gly Pro Pro Gly Pro Pro Gly Pro Gln Gly Pro Ile Gly Pro Leu Gly
 65 70 75 80
 Ala Pro Gly Pro Ile Gly Leu Ser Gly Glu Lys Gly Met Arg Gly Asp
 85 90 95
 Arg Gly Pro Pro Gly Ala Ala Gly Asp Lys Gly Asp Lys Gly Pro Thr
 100 105 110
 Gly Val Pro Gly Phe Pro Gly Leu Asp Gly Ile Pro Gly His Pro Gly
 115 120 125
 Pro Pro Gly Pro Arg Gly Lys Pro Gly Met Ser Gly His Asn Gly Ser
 130 135 140
 Arg Gly Asp Pro Gly Phe Pro Gly Gly Arg Gly Ala Leu Gly Pro Gly
 145 150 155 160
 Gly Pro Leu Gly His Pro Gly Glu Lys Gly Glu Lys Gly Asn Ser Val
 165 170 175
 Phe Ile Leu Gly Ala Val Lys Gly Ile Gln Gly Asp Arg Gly Asp Pro
 180 185 190
 Gly Leu Pro Gly Leu Pro Gly Ser Trp Gly Ala Gly Gly Pro Ala Gly

195 200 205
Pro Thr Gly Tyr Pro Gly Glu Pro Gly Leu Val Gly Pro Pro Gly Gln
210 215 220
Pro Gly Arg Pro Gly Leu Lys Gly Asn Pro Gly Val Gly Val Lys Gly
225 230 235 240
Gln Met Gly Asp Pro Gly Glu Val Gly Gln Gln Gly Ser Pro Gly Pro
245 250 255
Thr Leu Leu Val Glu Pro Pro Asp Phe Cys Leu Tyr Lys Gly Glu Lys
260 265 270
Gly Ile Lys Gly Ile Pro Gly Met Val Gly Leu Pro Gly Pro Pro Gly
275 280 285
Arg Lys Gly Glu Ser Gly Ile Gly Ala Lys Gly Glu Lys Gly Ile Pro
290 295 300
Gly Phe Pro Gly Pro Arg Gly Asp Pro Gly Ser Tyr Gly Ser Pro Gly
305 310 315 320
Phe Pro Gly Leu Lys Gly Glu Leu Gly Leu Val Gly Asp Pro Gly Leu
325 330 335
Phe Gly Leu Ile Gly Pro Lys Gly Asp Pro Gly Asn Arg Gly His Pro
340 345 350
Gly Pro Pro Gly Val Leu Val Thr Pro Pro Leu Pro Leu Lys Gly Pro
355 360 365
Pro Gly Asp Pro Gly Phe Pro Gly Arg Tyr Gly Glu Thr Gly Asp Val
370 375 380
Gly Pro Pro Gly Pro Pro Gly Leu Leu Gly Arg Pro Gly Glu Ala Cys
385 390 395 400
Ala Gly Met Ile Gly Pro Pro Gly Pro Gln Gly Phe Pro Gly Leu Pro
405 410 415
Gly Leu Pro Gly Glu Ala Gly Ile Pro Gly Arg Pro Asp Ser Ala Pro
420 425 430
Gly Lys Pro Gly Lys Pro Gly Ser Pro Gly Leu Pro Gly Ala Pro Gly
435 440 445
Leu Gln Gly Leu Pro Gly Ser Ser Val Ile Tyr Cys Ser Val Gly Asn
450 455 460
Pro Gly Pro Gln Gly Ile Lys Gly Lys Val Gly Pro Pro Gly Gly Arg
465 470 475 480
Gly Pro Lys Gly Glu Lys Gly Asn Glu Gly Leu Cys Ala Cys Glu Pro
485 490 495
Gly Pro Met Gly Pro Pro Gly Pro Pro Gly Leu Pro Gly Arg Gln Gly
500 505 510
Ser Lys Gly Asp Leu Gly Leu Pro Gly Trp Leu Gly Thr Lys Gly Asp
515 520 525
Pro Gly Pro Pro Gly Ala Glu Gly Pro Pro Gly Leu Pro Gly Lys His
530 535 540
Gly Ala Ser Gly Pro Pro Gly Asn Lys Gly Ala Lys Gly Asp Met Val
545 550 555 560
Val Ser Arg Val Lys Gly His Lys Gly Glu Arg Gly Pro Asp Gly Pro
565 570 575
Pro Gly Phe Pro Gly Gln Pro Gly Ser His Gly Arg Asp Gly His Ala
580 585 590
Gly Glu Lys Gly Asp Pro Gly Pro Pro Gly Asp His Glu Asp Ala Thr
595 600 605
Pro Gly Gly Lys Gly Phe Pro Gly Pro Leu Gly Pro Pro Gly Lys Ala
610 615 620
Gly Pro Val Gly Pro Pro Gly Leu Gly Phe Pro Gly Pro Pro Gly Glu
625 630 635 640
Arg Gly His Pro Gly Val Pro Gly His Pro Gly Val Arg Gly Pro Asp
645 650 655
Gly Leu Lys Gly Gln Lys Gly Asp Thr Ile Ser Cys Asn Val Thr Tyr
660 665 670

Pro Gly Arg His Gly Pro Pro Gly Phe Asp Gly Pro Pro Gly Pro Lys
 675 680 685
 Gly Phe Pro Gly Pro Gln Gly Ala Pro Gly Leu Ser Gly Ser Asp Gly
 690 695 700
 His Lys Gly Arg Pro Gly Thr Pro Gly Thr Ala Glu Ile Pro Gly Pro
 705 710 715 720
 Pro Gly Phe Arg Gly Asp Met Gly Asp Pro Gly Phe Gly Gly Glu Lys
 725 730 735
 Gly Ser Ser Pro Val Gly Pro Pro Gly Pro Pro Gly Ser Pro Gly Val
 740 745 750
 Asn Gly Gln Lys Gly Ile Pro Gly Asp Pro Ala Phe Gly His Leu Gly
 755 760 765
 Pro Pro Gly Lys Arg Gly Leu Ser Gly Val Pro Gly Ile Lys Gly Pro
 770 775 780
 Arg Gly Asp Pro Gly Cys Pro Gly Ala Glu Gly Pro Ala Gly Ile Pro
 785 790 795 800
 Gly Phe Leu Gly Leu Lys Gly Pro Lys Gly Arg Glu Gly His Ala Gly
 805 810 815
 Phe Pro Gly Val Pro Gly Pro Pro Gly His Ser Cys Glu Arg Gly Ala
 820 825 830
 Pro Gly Ile Pro Gly Gln Pro Gly Leu Pro Gly Tyr Pro Gly Ser Pro
 835 840 845
 Gly Ala Pro Gly Gly Lys Gly Gln Pro Gly Asp Val Gly Pro Pro Gly
 850 855 860
 Pro Ala Gly Met Lys Gly Leu Pro Gly Leu Pro Gly Arg Pro Gly Ala
 865 870 875 880
 His Gly Pro Pro Gly Leu Pro Gly Ile Pro Gly Pro Phe Gly Asp Asp
 885 890 895
 Gly Leu Pro Gly Pro Pro Gly Pro Lys Gly Pro Arg Gly Leu Pro Gly
 900 905 910
 Phe Pro Gly Phe Pro Gly Glu Arg Gly Lys Pro Gly Ala Glu Gly Cys
 915 920 925
 Pro Gly Ala Lys Gly Glu Pro Gly Glu Lys Gly Met Ser Gly Leu Pro
 930 935 940
 Gly Asp Arg Gly Leu Arg Gly Ala Lys Gly Ala Ile Gly Pro Pro Gly
 945 950 955 960
 Asp Glu Gly Glu Met Ala Ile Ile Ser Gln Lys Gly Thr Pro Gly Glu
 965 970 975
 Pro Gly Pro Pro Gly Asp Asp Gly Phe Pro Gly Glu Arg Gly Asp Lys
 980 985 990
 Gly Thr Pro Gly Met Gln Gly Arg Arg Gly Glu Leu Gly Arg Tyr Gly
 995 1000 1005
 Pro Pro Gly Phe His Arg Gly Glu Pro Gly Glu Lys Gly Gln Pro Gly
 1010 1015 1020
 Pro Pro Gly Pro Pro Gly Pro Pro Gly Ser Thr Gly Leu Arg Gly Phe
 1025 1030 1035 1040
 Ile Gly Phe Pro Gly Leu Pro Gly Asp Gln Gly Glu Pro Gly Ser Pro
 1045 1050 1055
 Gly Pro Pro Gly Phe Ser Gly Ile Asp Gly Ala Arg Gly Pro Lys Gly
 1060 1065 1070
 Asn Lys Gly Asp Pro Ala Ser His Phe Gly Pro Pro Gly Pro Lys Gly
 1075 1080 1085
 Glu Pro Gly Ser Pro Gly Cys Pro Gly His Phe Gly Ala Ser Gly Glu
 1090 1095 1100
 Gln Gly Leu Pro Gly Ile Gln Gly Pro Arg Gly Ser Pro Gly Arg Pro
 1105 1110 1115 1120
 Gly Pro Pro Gly Ser Ser Gly Pro Pro Gly Cys Pro Gly Asp His Gly
 1125 1130 1135
 Met Pro Gly Leu Arg Gly Gln Pro Gly Glu Met Gly Asp Pro Gly Pro

1140	1145	1150
Arg Gly Leu Gln Gly Asp Pro Gly Ile Pro Gly Pro Pro Gly Ile Lys		
1155	1160	1165
Gly Pro Ser Gly Ser Pro Gly Leu Asn Gly Leu His Gly Leu Lys Gly		
1170	1175	1180
Gln Lys Gly Thr Lys Gly Ala Ser Gly Leu His Asp Val Gly Pro Pro		
1185	1190	1195
Gly Pro Val Gly Ile Pro Gly Leu Lys Gly Glu Arg Gly Asp Pro Gly		1200
1205	1210	1215
Ser Pro Gly Ile Ser Pro Pro Gly Pro Arg Gly Lys Lys Gly Pro Pro		
1220	1225	1230
Gly Pro Pro Gly Ser Ser Gly Pro Pro Gly Pro Ala Gly Ala Thr Gly		
1235	1240	1245
Arg Ala Pro Lys Asp Ile Pro Asp Pro Gly Pro Pro Gly Asp Gln Gly		
1250	1255	1260
Pro Pro Gly Pro Asp Gly Pro Arg Gly Ala Pro Gly Pro Pro Gly Leu		
1265	1270	1275
Pro Gly Ser Val Asp Leu Leu Arg Gly Glu Pro Gly Asp Cys Gly Leu		1280
1285	1290	1295
Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Tyr Lys		
1300	1305	1310
Gly Phe Pro Gly Cys Asp Gly Lys Asp Gly Gln Lys Gly Pro Val Gly		
1315	1320	1325
Phe Pro Gly Pro Gln Gly Pro His Gly Phe Pro Gly Pro Pro Gly Glu		
1330	1335	1340
Lys Gly Leu Pro Gly Pro Pro Gly Arg Lys Gly Pro Thr Gly Leu Pro		
1345	1350	1355
Gly Pro Arg Gly Glu Pro Gly Pro Pro Ala Asp Val Asp Asp Cys Pro		1360
1365	1370	1375
Arg Ile Pro Gly Leu Pro Gly Ala Pro Gly Met Arg Gly Pro Glu Gly		
1380	1385	1390
Ala Met Gly Leu Pro Gly Met Arg Gly Pro Ser Gly Pro Gly Cys Lys		
1395	1400	1405
Gly Glu Pro Gly Leu Asp Gly Arg Arg Gly Val Asp Gly Val Pro Gly		
1410	1415	1420
Ser Pro Gly Pro Pro Gly Arg Lys Gly Asp Thr Gly Glu Asp Gly Tyr		
1425	1430	1435
Pro Gly Gly Pro Gly Pro Pro Gly Pro Ile Gly Asp Pro Gly Pro Lys		1440
1445	1450	1455
Gly Phe Gly Pro Gly Tyr Leu Gly Gly Phe Leu Leu Val Leu His Ser		
1460	1465	1470
Gln Thr Asp Gln Glu Pro Thr Cys Pro Leu Gly Met Pro Arg Leu Trp		
1475	1480	1485
Thr Gly Tyr Ser Leu Leu Tyr Leu Glu Gly Gln Glu Lys Ala His Asn		
1490	1495	1500
Gln Asp Leu Gly Leu Ala Gly Ser Cys Leu Pro Val Phe Ser Thr Leu		
1505	1510	1515
Pro Phe Ala Tyr Cys Asn Ile His Gln Val Cys His Tyr Ala Gln Arg		1520
1525	1530	1535
Asn Asp Arg Ser Tyr Trp Leu Ala Ser Ala Ala Pro Leu Pro Met Met		
1540	1545	1550
Pro Leu Ser Glu Glu Ala Ile Arg Pro Tyr Val Ser Arg Cys Ala Val		
1555	1560	1565
Cys Glu Ala Pro Ala Gln Ala Val Ala Val His Ser Gln Asp Gln Ser		
1570	1575	1580
Ile Pro Pro Cys Pro Gln Thr Trp Arg Ser Leu Trp Ile Gly Tyr Ser		
1585	1590	1595
Phe Leu Met His Thr Gly Ala Gly Asp Gln Gly Gly Gly Gln Ala Leu		1600
1605	1610	1615

Met Ser Pro Gly Ser Cys Leu Glu Asp Phe Arg Ala Ala Pro Phe Leu
 1620 1625 1630
 Glu Cys Gln Gly Arg Gln Gly Thr Cys His Phe Phe Ala Asn Lys Tyr
 1635 1640 1645
 Ser Phe Trp Leu Thr Thr Val Lys Ala Asp Phe Glu Phe Ser Ser Ala
 1650 1655 1660
 Pro Ala Pro Asp Thr Leu Lys Glu Ser Gln Ala Gln Arg Gln Lys Ile
 1665 1670 1675 1680
 Ser Arg Cys Gln Val Cys Val Lys Tyr Ser *
 1685 1690

<210> 1442
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 1442
 Met Gly Val Met Ala Pro Arg Thr Leu Leu Leu Leu Leu Gly Ala
 1 5 10 15
 Leu Ala Leu Thr Glu Thr Trp Ala Gly Glu Cys Gly Val Gly Arg Glu
 20 25 30
 Arg Ala Ser Ala Gly Arg Ser Glu Trp Pro Ala Arg Pro Gly Glu Pro
 35 40 45
 Arg Arg Glu Glu Gly Arg Ala Gly Leu Ser Leu Ser Ser Pro Pro Gly
 50 55 60
 Ser His Ser Leu Arg Tyr Phe Ser Thr Ala Val Ser Gln Pro Gly Arg
 65 70 75 80
 Gly Glu Pro Arg Phe Ile Ala Val Gly Tyr Val Asp Asp Thr Glu Phe
 85 90 95
 Val Arg Phe Asp Ser Asp Ser Val Ser Pro Arg Met Glu Arg Arg Ala
 100 105 110
 Pro Trp Val Glu Gln Glu Gly Leu Glu Tyr Trp Asp Gln Glu Thr Arg
 115 120 125
 Asn Ala Lys Gly His Ala Gln Ile Tyr Arg Val Asn Leu Arg Thr Leu
 130 135 140
 Leu Arg Tyr Tyr Asn Gln Ser Glu Ala
 145 150 153

<210> 1443
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1443
 Met Ser Leu Leu Cys Leu Lys Phe Phe Ser Gly Leu Trp Thr Ile Thr
 1 5 10 15
 Phe Ser Lys Gly Ala Lys Ile Ile His Trp Gly Arg Ser Leu Phe Asn
 20 25 30
 Trp Ile Ser Met Cys Lys Arg Met Lys Leu Asp Pro Tyr Ser Tyr His
 35 40 45
 Thr Gln Lys Leu Thr Gln Asn Gly Ser *
 50 55 57

<210> 1444
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1444
 Met Pro Val Pro Leu Ala Tyr Phe Gln Ser Ser Ile Val Leu Phe Pro
 1 5 10 15
 Leu Ile Phe Ser Leu Val Thr Cys Val Ser Leu Asp Gly Glu Pro Lys
 20 25 30
 Ser Val Val Gly Val Ile Ser Ile Ser Ala Tyr Tyr Arg Ala Ile Ser
 35 40 45
 Ile Leu Leu Ile Phe Ser Lys Ser Phe Cys Cys Ala Ser Leu Ala Gly
 50 55 60
 Val Leu Val Ile *
 65 68

<210> 1445
 <211> 826
 <212> PRT
 <213> Homo sapiens

<400> 1445
 Met Gly Trp Leu Cys Ser Gly Leu Leu Phe Pro Val Ser Cys Leu Val
 1 5 10 15
 Leu Leu Gln Val Ala Ser Ser Gly Asn Met Lys Val Leu Gln Glu Pro
 20 25 30
 Thr Cys Val Ser Asp Tyr Met Ser Ile Ser Thr Cys Glu Trp Lys Met
 35 40 45
 Asn Gly Pro Thr Asn Cys Ser Thr Glu Leu Arg Leu Leu Tyr Gln Leu
 50 55 60
 Val Phe Leu Leu Ser Glu Ala His Thr Cys Val Pro Glu Asn Asn Gly
 65 70 75 80
 Gly Ala Gly Cys Val Cys His Leu Leu Met Asp Asp Val Val Ser Ala
 85 90 95
 Asp Asn Tyr Thr Leu Asp Leu Trp Ala Gly Gln Gln Leu Leu Trp Lys
 100 105 110
 Gly Ser Phe Lys Pro Ser Glu His Val Lys Pro Arg Ala Pro Gly Asn
 115 120 125
 Leu Thr Val His Thr Asn Val Ser Asp Thr Leu Leu Leu Thr Trp Ser
 130 135 140
 Asn Pro Tyr Pro Pro Asp Asn Tyr Leu Tyr Asn His Leu Thr Tyr Ala
 145 150 155 160
 Val Asn Ile Trp Ser Glu Asn Asp Pro Ala Asp Phe Arg Ile Tyr Asn
 165 170 175
 Val Thr Tyr Leu Glu Pro Ser Leu Arg Ile Ala Ala Ser Thr Leu Lys
 180 185 190
 Ser Gly Ile Ser Tyr Arg Ala Arg Val Arg Ala Trp Ala Gln Cys Tyr
 195 200 205
 Asn Thr Thr Trp Ser Glu Trp Ser Pro Ser Thr Lys Trp His Asn Ser
 210 215 220
 Tyr Arg Glu Pro Phe Glu Gln His Leu Leu Leu Gly Val Ser Val Ser
 225 230 235 240

Cys Ile Val Ile Leu Ala Val Cys Leu Leu Cys Tyr Val Ser Ile Thr
 245 250 255
 Lys Ile Lys Lys Glu Trp Trp Asp Gln Ile Pro Asn Pro Ala Arg Ser
 260 265 270
 Arg Leu Val Ala Ile Ile Ile Gln Asp Ala Gln Gly Ser Gln Trp Glu
 275 280 285
 Lys Arg Ser Arg Gly Gln Glu Pro Ala Lys Cys Pro His Trp Lys Asn
 290 295 300
 Cys Leu Thr Lys Leu Leu Pro Cys Phe Leu Glu His Asn Met Lys Arg
 305 310 315 320
 Asp Glu Asp Pro His Lys Ala Ala Lys Glu Met Pro Phe Gln Gly Ser
 325 330 335
 Gly Lys Ser Ala Trp Cys Pro Val Glu Ile Ser Lys Thr Val Leu Trp
 340 345 350
 Pro Glu Ser Ile Ser Val Val Arg Cys Val Glu Leu Phe Glu Ala Pro
 355 360 365
 Val Glu Cys Glu Glu Glu Glu Val Glu Glu Glu Lys Gly Ser Phe
 370 375 380
 Cys Ala Ser Pro Glu Ser Ser Arg Asp Asp Phe Gln Glu Gly Arg Glu
 385 390 395 400
 Gly Ile Val Ala Arg Leu Thr Glu Ser Leu Phe Leu Asp Leu Leu Gly
 405 410 415
 Glu Glu Asn Gly Gly Phe Cys Gln Gln Asp Met Gly Glu Ser Cys Leu
 420 425 430
 Leu Pro Pro Ser Gly Ser Thr Ser Ala His Met Pro Trp Asp Glu Phe
 435 440 445
 Pro Ser Ala Gly Pro Lys Glu Ala Pro Pro Trp Gly Lys Glu Gln Pro
 450 455 460
 Leu His Leu Glu Pro Ser Pro Pro Ala Ser Pro Thr Gln Ser Pro Asp
 465 470 475 480
 Asn Leu Thr Cys Thr Glu Thr Pro Leu Val Ile Ala Gly Asn Pro Ala
 485 490 495
 Tyr Arg Ser Phe Ser Asn Ser Leu Ser Gln Ser Pro Cys Pro Arg Glu
 500 505 510
 Leu Gly Pro Asp Pro Leu Leu Ala Arg His Leu Glu Glu Val Glu Pro
 515 520 525
 Glu Met Pro Cys Val Pro Gln Leu Ser Glu Pro Thr Thr Val Pro Gln
 530 535 540
 Pro Glu Pro Glu Thr Trp Glu Gln Ile Leu Arg Arg Asn Val Leu Gln
 545 550 555 560
 His Gly Ala Ala Ala Ala Pro Val Ser Ala Pro Thr Ser Gly Tyr Gln
 565 570 575
 Glu Phe Val His Ala Val Glu Gln Gly Gly Thr Gln Ala Ser Ala Val
 580 585 590
 Val Gly Leu Gly Pro Pro Gly Glu Ala Gly Tyr Lys Ala Phe Ser Ser
 595 600 605
 Leu Leu Ala Ser Ser Ala Val Ser Pro Glu Lys Cys Gly Phe Gly Ala
 610 615 620
 Ser Ser Gly Glu Glu Gly Tyr Lys Pro Phe Gln Asp Leu Ile Pro Gly
 625 630 635 640
 Cys Pro Gly Asp Pro Ala Pro Val Pro Val Pro Leu Phe Thr Phe Gly
 645 650 655
 Leu Asp Arg Glu Pro Pro Arg Ser Pro Gln Ser Ser His Leu Pro Ser
 660 665 670
 Ser Ser Pro Glu His Leu Gly Leu Glu Pro Gly Glu Lys Val Glu Asp
 675 680 685
 Met Pro Lys Pro Pro Leu Pro Gln Glu Gln Ala Thr Asp Pro Leu Val
 690 695 700
 Asp Ser Leu Gly Ser Gly Ile Val Tyr Ser Ala Leu Thr Cys His Leu

705		710		715		720
Cys Gly His Leu Lys Gln Cys His Gly Gln Glu Asp Gly Gly Gln Thr						
	725		730		735	
Pro Val Met Ala Ser Pro Cys Cys Gly Cys Cys Cys Gly Asp Arg Ala						
	740		745		750	
Ser Pro Pro Thr Thr Pro Leu Arg Ala Pro Asp Pro Ser Pro Gly Gly						
	755		760		765	
Val Pro Leu Glu Ala Ser Leu Cys Pro Ala Ser Leu Ala Pro Ser Gly						
	770		775		780	
Ile Ser Glu Lys Ser Lys Ser Ser Ser Ser Phe His Pro Ala Pro Gly						
785		790		795		800
Asn Ala Gln Ser Ser Ser Gln Thr Pro Lys Ile Val Asn Phe Val Ser						
	805		810		815	
Val Gly Pro Thr Tyr Met Arg Val Ser *						
	820		825			

<210> 1446
 <211> 367
 <212> PRT
 <213> Homo sapiens

<400> 1446

Met Ala Leu Arg Phe Leu Leu Gly Phe Leu Leu Ala Gly Val Asp Leu															
1		5		10		15									
Gly Val Tyr Leu Met Arg Leu Glu Leu Cys Asp Pro Thr Gln Arg Leu															
	20		25		30										
Arg Val Ala Leu Ala Gly Glu Leu Val Gly Val Gly Gly His Phe Leu															
	35		40		45										
Phe Leu Gly Leu Ala Leu Val Ser Lys Asp Trp Arg Phe Leu Gln Arg															
	50		55		60										
Met Ile Thr Ala Pro Cys Ile Leu Phe Leu Phe Tyr Gly Trp Pro Gly															
65		70		75		80									
Leu Phe Leu Glu Ser Ala Arg Trp Leu Ile Val Lys Arg Gln Ile Glu															
	85		90		95										
Glu Ala Gln Ser Val Leu Arg Ile Leu Ala Glu Arg Asn Arg Pro His															
	100		105		110										
Gly Gln Met Leu Gly Glu Glu Ala Gln Glu Ala Leu Gln Asp Leu Glu															
	115		120		125										
Asn Thr Cys Pro Leu Pro Ala Thr Ser Ser Phe Ser Phe Ala Ser Leu															
	130		135		140										
Leu Asn Tyr Arg Asn Ile Trp Lys Asn Leu Leu Ile Leu Gly Phe Thr															
145		150		155		160									
Asn Phe Ile Ala His Ala Ile Arg His Cys Tyr Gln Pro Val Gly Gly															
	165		170		175										
Gly Gly Ser Pro Ser Asp Phe Tyr Leu Cys Ser Leu Leu Ala Ser Gly															
	180		185		190										
Thr Ala Ala Leu Ala Cys Val Phe Leu Gly Val Thr Val Asp Arg Phe															
	195		200		205										
Gly Arg Arg Gly Ile Leu Leu Leu Ser Met Thr Leu Thr Gly Ile Ala															
	210		215		220										
Ser Leu Val Leu Leu Gly Leu Trp Asp Tyr Leu Asn Glu Ala Ala Ile															
225		230		235		240									
Thr Thr Phe Ser Val Leu Gly Leu Phe Ser Ser Gln Ala Ala Ala Ile															
	245		250		255										
Leu Ser Thr Leu Leu Ala Ala Glu Val Ile Pro Thr Thr Val Arg Gly															
	260		265		270										

Arg Gly Leu Gly Leu Ile Met Ala Leu Gly Ala Leu Gly Gly Leu Ser
 275 280 285
 Gly Pro Ala Gln Arg Leu His Met Gly His Gly Ala Phe Leu Gln His
 290 295 300
 Val Val Leu Ala Ala Cys Ala Leu Leu Cys Ile Leu Ser Ile Met Leu
 305 310 315 320
 Leu Pro Glu Thr Lys Arg Lys Leu Leu Pro Glu Val Leu Arg Asp Gly
 325 330 335
 Glu Leu Cys Arg Arg Pro Ser Leu Leu Arg Gln Pro Pro Pro Thr Arg
 340 345 350
 Cys Asp His Val Pro Leu Leu Ala Thr Pro Asn Pro Ala Leu *
 355 360 365 366

<210> 1447
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1447
 Met Ala Ile Ser Trp Leu Gly Thr Trp Leu Leu Gln Ser His Arg His
 1 5 10 15
 Trp Ser Glu Pro Gln Leu Cys Arg Leu Pro Ala Arg His His Leu Ile
 20 25 30
 Asn Leu Asn Phe Met Val Ala Glu Gly Ile Gly Asp Arg Ala Trp His
 35 40 45
 Ile Ile Ser Ala Gln Leu Phe Met Thr Phe Ser Phe His Ala Val Ile
 50 55 60
 Leu Gln Thr Asp Leu Gly Glu Ala Gly Lys Tyr Lys Asp Lys *
 65 70 75 78

<210> 1448
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 1448
 Met Val Trp Val Val Leu Leu Ser Leu Leu Cys Tyr Leu Val Leu Phe
 1 5 10 15
 Leu Cys Arg His Ser Ser His Arg Gly Val Phe Leu Ser Val Thr Ile
 20 25 30
 Leu Ile Tyr Leu Leu Met Gly Glu Met His Met Val Asp Thr Val Thr
 35 40 45
 Trp His Lys Met Arg Gly Ala Gln Met Ile Val Ala Met Lys Ala Val
 50 55 60
 Ser Leu Gly Phe Asp Leu Asp Arg Gly Glu Val Gly Thr Val Pro Ser
 65 70 75 80
 Pro Val Glu Phe Met Gly Tyr Leu Tyr Phe Val Gly Thr Ile Val Phe
 85 90 95
 Gly Pro Trp Ile Ser Phe His Ser Tyr Leu Gln Ala Val Gln Gly Arg
 100 105 110
 Pro Leu Ser Cys Arg Trp Leu Gln Lys Val Ala Arg Ser Leu Ala Leu
 115 120 125
 Ala Leu Leu Cys Leu Val Leu Ser Thr Cys Val Gly Pro Tyr Leu Phe

130	135	140
Pro Tyr Phe Ile Pro	Leu Asn Gly Asp Arg	Leu Leu Arg Lys Trp Leu
145	150	155
Arg Ala Tyr Glu Ser	Ala Val Ser Phe His	Phe Ser Asn Tyr Phe Val
165	170	175
Gly Phe Leu Ser Glu	Ala Thr Ala Thr Leu	Ala Gly Ala Gly Phe Thr
180	185	190
Glu Glu Lys Asp His	Leu Glu Trp Asp Leu	Thr Val Ser Lys Pro Leu
195	200	205
Asn Val Glu Leu Pro	Arg Ser Met Val Glu	Val Val Thr Ser Trp Asn
210	215	220
Leu Pro Met Ser Tyr	Trp Leu Asn Asn Tyr	Gly Phe Lys Asn Ala Leu
225	230	235
Arg Leu Gly Thr Leu	Leu Gly Cys Ala Gly	His Leu Cys Ser Gln Arg
245	250	255
Pro Ser Lys Leu Leu	Lys Phe Pro Pro Gly	Trp Gly Pro Cys Cys Pro
260	265	270
Gly Phe Leu *		
275		

<210> 1449
 <211> 597
 <212> PRT
 <213> Homo sapiens

<400> 1449

Met Glu Phe Gly Leu	Ser Trp Val Phe	Leu Val Ala Ile	Leu Lys Gly
1	5	10	15
Val Gln Cys Glu Val	Gln Leu Val Glu	Ser Gly Gly Gly	Leu Val Gln
20	25	30	
Pro Gly Gly Ser Leu	Arg Leu Ser Cys	Ala Ala Ser Gly	Phe Thr Phe
35	40	45	
Ser Ser Tyr Trp Met	His Trp Val Arg	Gln Ala Pro Gly	Lys Gly Leu
50	55	60	
Val Trp Val Ser Arg	Ile Asn Thr Asp	Gly Ser Ser Thr	Ser Tyr Ala
65	70	75	80
Asp Ser Val Lys Gly	Arg Phe Thr Ile	Ser Arg Asp Asn	Ala Lys Asn
85	90	95	
Thr Leu Tyr Leu Gln	Met Asn Ser Leu	Arg Ala Glu Asp	Thr Ala Val
100	105	110	
Tyr Tyr Cys Ala Arg	Ala Asp Asn Cys	Ser Ser Thr Ser	Cys Tyr Lys
115	120	125	
Cys Phe Asp Tyr Trp	Gly Gln Gly Thr	Leu Val Thr Val	Ser Ser Gly
130	135	140	
Ser Ala Ser Ala Pro	Thr Leu Phe Pro	Leu Val Ser Cys	Glu Asn Ser
145	150	155	160
Pro Ser Asp Thr Ser	Ser Val Ala Val	Gly Cys Leu Ala	Gln Asp Phe
165	170	175	
Leu Pro Asp Ser Ile	Thr Phe Ser Trp	Lys Tyr Lys Asn	Asn Ser Asp
180	185	190	
Ile Ser Ser Thr Arg	Gly Phe Pro Ser	Val Leu Arg Gly	Gly Lys Tyr
195	200	205	
Ala Ala Thr Ser Gln	Val Leu Leu Pro	Ser Lys Asp Val	Met Gln Gly
210	215	220	
Thr Asp Glu His Val	Val Cys Lys Val	Gln His Pro Asn	Gly Asn Lys
225	230	235	240

Glu Lys Asn Val Pro Leu Pro Val Ile Ala Glu Leu Pro Pro Lys Val
 245 250 255
 Ser Val Phe Val Pro Pro Arg Asp Gly Phe Phe Gly Asn Pro Arg Lys
 260 265 270
 Ser Lys Leu Ile Cys Gln Ala Thr Gly Phe Ser Pro Arg Gln Ile Gln
 275 280 285
 Val Ser Trp Leu Arg Glu Gly Lys Gln Val Gly Ser Gly Val Thr Thr
 290 295 300
 Asp Gln Val Gln Ala Glu Ala Lys Glu Ser Gly Pro Thr Thr Tyr Lys
 305 310 315 320
 Val Thr Ser Thr Leu Thr Ile Lys Glu Ser Asp Trp Leu Ser Gln Ser
 325 330 335
 Met Phe Thr Cys Arg Val Asp His Arg Gly Leu Thr Phe Gln Gln Asn
 340 345 350
 Ala Ser Ser Met Cys Val Pro Asp Gln Asp Thr Ala Ile Arg Val Phe
 355 360 365
 Ala Ile Pro Pro Ser Phe Ala Ser Ile Phe Leu Thr Lys Ser Thr Lys
 370 375 380
 Leu Thr Cys Leu Val Thr Asp Leu Thr Thr Tyr Asp Ser Val Thr Ile
 385 390 395 400
 Ser Trp Thr Arg Gln Asn Gly Glu Ala Val Lys Thr His Thr Asn Ile
 405 410 415
 Ser Glu Ser His Pro Asn Ala Thr Phe Ser Ala Val Gly Glu Ala Ser
 420 425 430
 Ile Cys Glu Asp Asp Trp Asn Ser Gly Glu Arg Phe Thr Cys Thr Val
 435 440 445
 Thr His Thr Asp Leu Pro Ser Pro Leu Lys Gln Thr Ile Ser Arg Pro
 450 455 460
 Lys Gly Val Ala Leu His Arg Pro Asp Val Tyr Leu Leu Pro Pro Ala
 465 470 475 480
 Arg Glu Gln Leu Asn Leu Arg Glu Ser Ala Thr Ile Thr Cys Leu Val
 485 490 495
 Thr Gly Phe Ser Pro Ala Asp Val Phe Val Gln Trp Met Gln Arg Gly
 500 505 510
 Gln Pro Leu Ser Pro Glu Lys Tyr Val Thr Ser Ala Pro Met Pro Glu
 515 520 525
 Pro Gln Ala Pro Gly Arg Tyr Phe Ala His Ser Ile Leu Thr Val Ser
 530 535 540
 Glu Glu Glu Trp Asn Thr Gly Glu Thr Tyr Thr Cys Val Val Ala His
 545 550 555 560
 Glu Ala Leu Pro Asn Arg Val Thr Glu Arg Thr Val Asp Lys Ser Thr
 565 570 575
 Gly Lys Pro Thr Leu Tyr Asn Val Ser Leu Val Met Ser Asp Thr Ala
 580 585 590
 Gly Thr Cys Tyr *
 595 596

<210> 1450

<211> 276

<212> PRT

<213> Homo sapiens

<400> 1450

Met Pro Ala Leu Arg Pro Ala Leu Leu Trp Ala Leu Leu Ala Leu Trp
 1 5 10 15
 Leu Cys Cys Ala Thr Pro Ala His Ala Leu Gln Cys Arg Asp Gly Tyr


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      20      25      30
Glu Pro Cys Val Asn Glu Gly Met Cys Val Thr Tyr His Asn Gly Thr
      35      40      45
Gly Tyr Cys Lys Cys Pro Glu Gly Phe Leu Gly Glu Tyr Cys Gln His
      50      55      60
Arg Asp Pro Cys Glu Lys Asn Arg Cys Gln Asn Gly Gly Thr Cys Val
      65      70      75      80
Ala Gln Ala Met Leu Gly Lys Ala Thr Cys Arg Cys Ala Ser Gly Phe
      85      90      95
Thr Gly Glu Asp Cys Gln Tyr Ser Thr Ser His Pro Cys Phe Val Ser
      100      105      110
Arg Pro Cys Leu Asn Gly Gly Thr Cys His Met Leu Ser Arg Asp Thr
      115      120      125
Tyr Glu Cys Thr Cys Gln Val Gly Phe Thr Gly Lys Glu Cys Gln Trp
      130      135      140
Thr Asp Ala Cys Leu Ser His Pro Cys Ala Asn Gly Ser Thr Cys Thr
      145      150      155      160
Thr Val Ala Asn Gln Phe Ser Cys Lys Cys Leu Thr Gly Phe Thr Gly
      165      170      175
Gln Lys Cys Glu Thr Asp Val Asn Glu Cys Asp Ile Pro Gly His Cys
      180      185      190
Gln His Gly Gly Ile Cys Leu Asn Leu Pro Gly Ser Tyr Gln Cys Gln
      195      200      205
Cys Leu Gln Gly Phe Thr Gly Gln Tyr Cys Asp Ser Leu Tyr Val Pro
      210      215      220
Cys Ala Pro Ser Pro Cys Val Asn Gly Gly Thr Cys Arg Gln Thr Gly
      225      230      235      240
Asp Phe Thr Phe Glu Cys Asn Cys Leu Pro Glu Thr Val Arg Arg Gly
      245      250      255
Thr Glu Leu Trp Glu Arg Asp Arg Glu Val Trp Asn Gly Lys Glu His
      260      265      270
Asp Glu Asn *
      275

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<210> 1451
<211> 121
<212> PRT
<213> Homo sapiens

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      <400> 1451
Met Glu Ser Gly Leu Ser Trp Ile Phe Leu Leu Ala Ile Leu Lys Gly
  1      5      10      15
Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
      20      25      30
Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Arg Phe
      35      40      45
Asp Glu Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
      50      55      60
Glu Trp Val Gly Gly Ile Ser Trp Asn Arg Asp Ser Ile Ala Tyr Ala
      65      70      75      80
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Gln Ser
      85      90      95
Tyr Val Tyr Leu Gln Met Asn Ser Leu Arg His Glu Asp Thr Ala Leu
      100      105      110
Tyr Tyr Cys Thr Lys Leu Arg Ser Ser
      115      120 121

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<210> 1452
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1452
 Met Glu Arg Gly Asn Ala Leu Val Val Leu Arg Ser Leu Leu Trp Pro
 1 5 10 15
 Gly Leu Thr Phe Tyr His Ala Pro Arg Thr Lys Asn Tyr Gly Tyr Val
 20 25 30
 Tyr Val Gly Thr Gly Glu Lys Asn Met Asp Leu Pro Phe Met Leu *
 35 40 45 47

<210> 1453
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1453
 Met Ile Thr Val Gln Phe Ser Tyr Thr Ala Val Lys Trp Leu Leu Asn
 1 5 10 15
 Cys Phe Val Leu Ile Leu Tyr Val Ile Leu Ser Ile Leu Phe Gln Val
 20 25 30
 Ser Gln Lys Asn Ser Ser Lys Leu Gly Arg Phe Lys Asn Leu Phe Asn
 35 40 45
 His Lys Glu Cys Ser Lys Leu Phe Asn Arg Asn Gln Ala Gln Thr
 50 55 60
 Leu Glu Leu Thr Ala Asp Arg Ile Arg Phe Gly Leu Phe Pro Glu Trp
 65 70 75 80
 Lys His Phe Ser His Thr Thr Ser Leu Cys Thr Ala Lys Met Leu Ala
 85 90 95
 Tyr Pro Leu Trp Phe Pro Ser Phe Ser Leu Ala Ser Gln Arg Asn Leu
 100 105 110
 Pro Pro His Pro Leu Tyr Tyr Ile Phe Tyr *
 115 120 122

<210> 1454
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 1454
 Met Arg Glu Trp Trp Val Gln Val Gly Leu Leu Ala Val Pro Leu Leu
 1 5 10 15
 Ala Ala Tyr Leu His Ile Pro Pro Pro Gln Leu Ser Pro Ala Leu His
 20 25 30
 Ser Trp Lys Ser Ser Gly Lys Phe Phe Thr Tyr Lys Gly Leu Arg Ile
 35 40 45
 Phe Tyr Gln Asp Ser Val Gly Val Val Gly Ser Pro Glu Ile Val Val

```

      50      55      60
Leu Leu His Gly Phe Pro Thr Ser Ser Tyr Asp Trp Tyr Lys Ile Trp
 65      70      75      80
Glu Gly Leu Thr Leu Arg Phe His Arg Val Ile Ala Leu Asp Phe Leu
      85      90      95
Gly Phe Gly Phe Ser Asp Lys Pro Arg Pro His His Tyr Ser Ile Phe
      100      105      110
Glu Gln Ala Ser Ile Val Glu Ala Leu Leu Arg His Leu Gly Leu Gln
      115      120      125
Asn Arg Arg Ile Asn Leu Leu Ser His Asp Tyr Gly Asp Ile Val Ala
      130      135      140
Gln Glu Leu Leu Tyr Arg Tyr Lys Gln Asn Arg Ser Gly Arg Leu Thr
      145      150      155      160
Ile Lys Ser Leu Cys Leu Ser Asn Gly Gly Ile Phe Pro Glu Thr His
      165      170      175
Arg Pro Leu Leu Leu Gln Lys Leu Leu Lys Asp Gly Gly Val Leu Ser
      180      185      190
Pro Ile Leu Thr Arg Leu Met Asn Phe Phe Val Phe Ser Arg Gly Leu
      195      200      205
Thr Pro Val Phe Gly Pro Tyr Thr Arg Pro Ser Glu Ser Glu Leu Trp
      210      215      220
Asp Met Trp Ala Gly Ile Arg Asn Asn Asp Gly Asn Leu Val Ile Asp
      225      230      235      240
Ser Leu Leu Gln Tyr Ile Asn Gln Arg Lys Lys Phe Arg Arg Arg Trp
      245      250      255
Val Gly Ala Leu Ala Ser Val Thr Ile Pro Ile His Phe Ile Tyr Gly
      260      265      270
Pro Leu Asp Pro Val Asn Pro Tyr Pro Glu Phe Leu Glu Leu Tyr Arg
      275      280      285
Lys Thr Leu Pro Arg Ser Thr Val Ser Ile Leu Asp Asp His Ile Ser
      290      295      300
His Tyr Pro Gln Leu Glu Asp Pro Met Gly Phe Leu Asn Ala Tyr Met
      305      310      315      320
Gly Phe Ile Asn Ser Phe *
      325 326

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<210> 1455
<211> 57
<212> PRT
<213> Homo sapiens

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      <400> 1455
Met Ile Leu Leu Lys Val Cys Ser Ala Ala Ser Leu Leu Gly Glu Gly
  1      5      10      15
Phe Met Asn Gln Val Thr Ser Thr Asn Lys Ala Ser Leu Ser Leu Leu
      20      25      30
Ser Leu Thr Met Lys Val Ala Val Asn Lys Gly Lys Lys Glu Arg Glu
      35      40      45
Leu Phe Ile Pro Phe Gln Phe Gln *
      50      55 56

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<210> 1456
<211> 48
<212> PRT

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<213> Homo sapiens

<400> 1456

Met	His	Cys	Ile	Phe	Ser	Cys	Leu	Leu	Trp	Cys	Ile	Gln	Leu	Pro	Ser
1				5					10					15	
Met	Leu	Ser	Val	Leu	Lys	Thr	Gln	Pro	Ser	Lys	Asn	His	Pro	Leu	Trp
			20					25					30		
Pro	Cys	Lys	Tyr	Ala	Tyr	Asn	Ile	Phe	Phe	Phe	Leu	Cys	Ile	Ile	*
		35					40					45		47	

<210> 1457

<211> 459

<212> PRT

<213> Homo sapiens

<400> 1457

Met	Ser	Asp	Leu	Leu	Ser	Val	Phe	Leu	His	Leu	Leu	Leu	Leu	Phe	Lys
1				5					10					15	
Leu	Val	Ala	Pro	Val	Thr	Phe	Arg	His	His	Arg	Tyr	Asp	Asp	Leu	Val
			20					25					30		
Arg	Thr	Leu	Tyr	Lys	Val	Gln	Asn	Glu	Cys	Pro	Gly	Ile	Thr	Arg	Val
		35					40					45			
Tyr	Ser	Ile	Gly	Arg	Ser	Val	Glu	Gly	Arg	His	Leu	Tyr	Val	Leu	Glu
	50					55					60				
Phe	Ser	Asp	His	Pro	Gly	Ile	His	Glu	Pro	Leu	Glu	Pro	Glu	Val	Lys
65					70				75						80
Tyr	Val	Gly	Asn	Met	His	Gly	Asn	Glu	Ala	Leu	Gly	Arg	Glu	Leu	Met
			85						90					95	
Leu	Gln	Leu	Ser	Glu	Phe	Leu	Cys	Glu	Phe	Arg	Asn	Arg	Asn	Gln	
			100					105				110			
Arg	Ile	Val	Gln	Leu	Ile	Gln	Asp	Thr	Arg	Ile	His	Ile	Leu	Pro	Ser
	115						120					125			
Met	Asn	Pro	Asp	Gly	Tyr	Glu	Val	Ala	Ala	Ala	Gln	Gly	Pro	Asn	Lys
	130					135					140				
Pro	Gly	Tyr	Leu	Val	Gly	Arg	Asn	Asn	Ala	Asn	Gly	Val	Asp	Leu	Asn
145					150				155					160	
Arg	Asn	Phe	Pro	Asp	Leu	Asn	Thr	Tyr	Ile	Tyr	Tyr	Asn	Glu	Lys	Tyr
			165					170						175	
Gly	Gly	Pro	Asn	His	His	Leu	Pro	Leu	Pro	Asp	Asn	Trp	Lys	Ser	Gln
			180					185					190		
Val	Glu	Pro	Glu	Thr	Arg	Ala	Val	Ile	Arg	Trp	Met	His	Ser	Phe	Asn
	195						200					205			
Phe	Val	Leu	Ser	Ala	Asn	Leu	His	Gly	Gly	Ala	Val	Val	Ala	Asn	Tyr
	210					215					220				
Pro	Tyr	Asp	Lys	Ser	Phe	Glu	His	Arg	Val	Arg	Gly	Val	Arg	Arg	Thr
225					230				235					240	
Ala	Ser	Thr	Pro	Thr	Pro	Asp	Asp	Lys	Leu	Phe	Gln	Lys	Leu	Ala	Lys
			245					250						255	
Val	Tyr	Ser	Tyr	Ala	His	Gly	Trp	Met	Phe	Gln	Gly	Trp	Asn	Cys	Gly
		260					265						270		
Asp	Tyr	Phe	Pro	Asp	Gly	Ile	Thr	Asn	Gly	Ala	Ser	Trp	Tyr	Ser	Leu
	275					280						285			
Ser	Lys	Gly	Met	Gln	Asp	Phe	Asn	Tyr	Leu	His	Thr	Asn	Cys	Phe	Glu
	290					295					300				
Ile	Thr	Leu	Glu	Leu	Ser	Cys	Asp	Lys	Phe	Pro	Pro	Glu	Glu	Glu	Leu

305 310 315 320
 Gln Arg Glu Trp Leu Gly Asn Arg Glu Ala Leu Ile Gln Phe Leu Glu
 325 330 335
 Gln Val His Gln Gly Ile Lys Gly Met Val Leu Asp Glu Asn Tyr Asn
 340 345 350
 Asn Leu Ala Asn Ala Val Ile Ser Val Ser Gly Ile Asn His Asp Val
 355 360 365
 Thr Ser Gly Asp His Gly Asp Tyr Phe Arg Leu Leu Leu Pro Gly Ile
 370 375 380
 Tyr Thr Val Ser Ala Thr Ala Pro Gly Tyr Asp Pro Glu Thr Val Thr
 385 390 395 400
 Val Thr Val Gly Pro Ala Glu Pro Thr Leu Val Asn Phe His Leu Lys
 405 410 415
 Arg Ser Ile Pro Gln Val Ser Pro Val Arg Arg Ala Pro Ser Arg Arg
 420 425 430
 His Gly Val Arg Ala Lys Val Gln Pro Gln Pro Arg Lys Lys Glu Met
 435 440 445
 Glu Met Arg Gln Leu Gln Arg Gly Pro Ala *
 450 455 458

<210> 1458

<211> 463

<212> PRT

<213> Homo sapiens

<400> 1458

Met Ala Arg Val Leu Gly Ala Pro Val Ala Leu Gly Leu Trp Ser Leu
 1 5 10 15
 Cys Trp Ser Leu Ala Ile Ala Thr Pro Leu Pro Pro Thr Ser Ala His
 20 25 30
 Gly Asn Val Ala Glu Gly Glu Thr Lys Pro Asp Pro Asp Val Thr Glu
 35 40 45
 Arg Cys Ser Asp Gly Trp Ser Phe Asp Ala Thr Thr Leu Asp Asp Asn
 50 55 60
 Gly Thr Met Leu Phe Phe Lys Gly Glu Phe Val Trp Lys Ser His Lys
 65 70 75 80
 Trp Asp Arg Glu Leu Ile Ser Glu Arg Trp Lys Asn Phe Pro Ser Pro
 85 90 95
 Val Asp Ala Ala Phe Arg Gln Gly His Asn Ser Val Phe Leu Ile Lys
 100 105 110
 Gly Asp Lys Val Trp Val Tyr Pro Pro Glu Lys Lys Glu Lys Gly Tyr
 115 120 125
 Pro Lys Leu Leu Gln Asp Glu Phe Pro Gly Ile Pro Ser Pro Leu Asp
 130 135 140
 Ala Ala Val Glu Cys His Arg Gly Glu Cys Gln Ala Glu Gly Val Leu
 145 150 155 160
 Phe Phe Gln Gly Asp Arg Glu Trp Phe Trp Asp Leu Ala Thr Gly Thr
 165 170 175
 Met Lys Glu Arg Ser Trp Pro Ala Val Gly Asn Cys Ser Ser Ala Leu
 180 185 190
 Arg Trp Leu Gly Arg Tyr Tyr Cys Phe Gln Gly Asn Gln Phe Leu Arg
 195 200 205
 Phe Asp Pro Val Arg Gly Glu Val Pro Pro Arg Tyr Pro Arg Asp Val
 210 215 220
 Arg Asp Tyr Phe Met Pro Cys Pro Gly Arg Gly His Gly His Arg Asn
 225 230 235 240

Gly Thr Gly His Gly Asn Ser Thr His His Gly Pro Glu Tyr Met Arg
 245 250 255
 Cys Ser Pro His Leu Val Leu Ser Ala Leu Thr Ser Asp Asn His Gly
 260 265 270
 Ala Thr Tyr Ala Phe Ser Gly Thr His Tyr Trp Arg Leu Asp Thr Ser
 275 280 285
 Arg Asp Gly Trp His Ser Trp Pro Ile Ala His Gln Trp Pro Gln Gly
 290 295 300
 Pro Ser Ala Val Asp Ala Ala Phe Ser Trp Glu Glu Lys Leu Tyr Leu
 305 310 315 320
 Val Gln Gly Thr Gln Val Tyr Val Phe Leu Thr Lys Gly Gly Tyr Thr
 325 330 335
 Leu Val Ser Gly Tyr Pro Lys Arg Leu Glu Lys Glu Val Gly Thr Pro
 340 345 350
 His Gly Ile Ile Leu Asp Ser Val Asp Ala Ala Phe Ile Cys Pro Gly
 355 360 365
 Ser Ser Arg Leu His Ile Met Ala Gly Arg Arg Leu Trp Trp Leu Asp
 370 375 380
 Leu Lys Ser Gly Ala Gln Ala Thr Trp Thr Glu Leu Pro Trp Pro His
 385 390 395 400
 Glu Lys Val Asp Gly Ala Leu Cys Met Glu Lys Ser Leu Gly Pro Asn
 405 410 415
 Ser Cys Ser Ala Asn Gly Pro Gly Leu Tyr Leu Ile His Gly Pro Asn
 420 425 430
 Leu Tyr Cys Tyr Ser Asp Val Glu Lys Leu Asn Ala Ala Lys Ala Leu
 435 440 445
 Pro Gln Pro Gln Asn Val Thr Ser Leu Leu Gly Cys Thr His *
 450 455 460 462

<210> 1459

<211> 187

<212> PRT

<213> Homo sapiens

<400> 1459

Met Gln Pro Ile Val Ala Lys Ala Leu Val Val Leu Leu Glu Val His
 1 5 10 15
 Pro Leu Gln Asp Gln Ala Glu Ser Gly Arg Leu Gly His Val His Leu
 20 25 30
 Leu Cys Ala Pro Ala Ala Leu Gln His Ala Leu Arg Gly Ile Thr Leu
 35 40 45
 His Asn Gly His His Gln Ala Asp His Leu Pro Asp Leu Met His His
 50 55 60
 Glu Ala Leu Ala Leu His Pro Asp His Arg Lys Leu Gln Ala Leu Pro
 65 70 75 80
 His Lys Gly Phe Leu Ala Val His Leu Gln Asp Val Ala Ala Gly Thr
 85 90 95
 Gly Ile Leu Arg Pro Leu Leu Arg Gly Glu Ile Val Glu Val Val Arg
 100 105 110
 Ala Leu Val Ala Gly Gln Glu Pro Val Asp Leu Leu Gln Arg Leu Gly
 115 120 125
 Ala Gln Ala Val Gly Leu Ile Leu Asn Val Pro Val Leu Val Arg Lys
 130 135 140
 Gly Lys Arg Gly Gln Gln Val Ala Ile Gly Pro Gly Ile Thr Ser Val
 145 150 155 160
 Leu Gly Val Lys Pro Ala Arg Asp Pro Leu Gln Ser Gln Asn Pro Asn

Val Arg Gly Lys Val Ala Val Asp Leu Phe * 175
 180 185 186

<210> 1460
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 1460
 Met Lys Phe Ala Leu Phe Thr Ser Gly Val Ala Leu Thr Leu Ser Phe
 1 5 10 15
 Val Phe Met Tyr Ala Lys Cys Glu Asn Glu Pro Phe Ala Gly Val Ser
 20 25 30
 Glu Ser Tyr Asn Gly Thr Gly Glu Leu Gly Asn Leu Ile Ala Pro Cys
 35 40 45
 Asn Ala Asn Cys Asn Cys Ser Arg Ser Tyr Tyr Tyr Pro Val Cys Gly
 50 55 60
 Asp Gly Val Gln Tyr Phe Ser Pro Cys Phe Ala Gly Cys Ser Asn Pro
 65 70 75 80
 Val Ala His Arg Lys Pro Lys Val Tyr Tyr Asn Cys Ser Cys Ile Glu
 85 90 95
 Arg Lys Thr Glu Ile Thr Ser Thr Ala Glu Thr Phe Gly Phe Glu Ala
 100 105 110
 Asn Ala Gly Lys Cys Glu Thr His Cys Ala Lys Leu Ala Ile Phe Leu
 115 120 125
 Cys Ile Val Phe Ile Gly Asn Ile Phe Thr Phe Met Ala Arg Ser Pro
 130 135 140
 Ile Thr Gly Ala Ile Pro Arg Gly Gly Asn His Arg Gln Arg Pro Pro
 145 150 155 160
 Thr Leu Gly Ile Gln Phe Met Ala Leu Arg Thr Leu Trp Thr Thr Pro
 165 170 175
 Trp Pro Ser Lys Thr Gly Cys Pro Ile His Gln Pro Gly Ser Leu Trp
 180 185 190
 Glu Lys Leu Gly Trp Arg Pro Leu Lys Thr Leu Arg Arg Pro Lys Pro
 195 200 205
 Ser Trp Asn Ala Leu Leu Ala Leu Ala His Pro Arg Ser Phe Gln
 210 215 220 223

<210> 1461
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 1461
 Met Tyr Phe Phe Leu Leu Leu Leu Phe Phe Asn Val Gln Arg Leu Ala
 1 5 10 15
 Phe Pro Phe Gly Ile Pro Asn Asp Pro Met Leu Trp Ser Glu Gly Gln
 20 25 30
 Ser His Leu Cys Trp Arg Ser Pro Leu Ile Pro Ser Ala Gln Phe Arg
 35 40 45
 Gly Ser Arg Ala Asp Ile Arg Gly Ser Met Leu His Ser Ser Ser Gly
 50 55 60

Arg Val Val Pro Leu Asn Pro Ala Thr Lys Leu Ser Pro Leu Glu Ser
 65 70 75 80
 Gln Met Ala Leu His Thr Lys Ala Val Glu Ala Gly Met Val Phe Gly
 85 90 95
 His Arg Ala Glu His Lys Asp Pro Arg Ser Val Trp Glu Ser Tyr Trp
 100 105 110
 Leu Leu Gly Ser Pro Trp Ala Glu Val Thr Arg Leu His Pro Arg Arg
 115 120 125
 Ala Gln Leu Gly Ser Leu Pro Pro Pro Asp Pro Arg Thr Thr His Arg
 130 135 140
 Arg Gly Ala Val Ser Ile Phe Leu Lys Gly Pro Phe Gly Asp Leu Val
 145 150 155 160
 Leu Ser Val Glu Arg Thr Asp Val Ala Leu Ser Ser Gln His Ile Pro
 165 170 175
 Gly Ser Gly Arg Pro Gln Leu Lys Gln Cys Gln Gly Pro Gln Gly Ser
 180 185 190
 His Leu Asp Arg Pro Thr Ala Cys Asn Ser Ala Leu Leu Arg Arg Gln
 195 200 205
 His *
 209

<210> 1462
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1462
 Met Ala Val Arg Val Leu Trp Gly Gly Leu Ser Leu Leu Arg Val Leu
 1 5 10 15
 Trp Cys Leu Leu Pro Gln Thr Gly Tyr Val His Pro Asp Glu Phe Phe
 20 25 30
 Gln Ser Pro Glu Val Met Ala Gly Lys Thr Pro His Val Trp Leu Arg
 35 40 45
 Gln Ala Ala Ala Glu Ser Ala *
 50 55

<210> 1463
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 1463
 Met Glu Asn Cys Val Gly Glu Arg Asn His Pro Leu Phe Val Val Tyr
 1 5 10 15
 Leu Ala Leu Gln Leu Val Val Leu Leu Trp Gly Leu Tyr Leu Ala Cys
 20 25 30
 Pro Gly Val Cys Gly Cys Gly Pro Ala Gly Ser Cys Ser Pro Pro Ser
 35 40 45
 Cys Cys Trp Pro Ser Ser Arg Gly Gly Gln Pro Gly Ser Arg Leu Ala
 50 55 60
 Pro Leu
 65 66

<210> 1464
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 1464
 Met Val Trp Arg Arg Leu Leu Arg Lys Arg Trp Val Leu Ala Leu Val
 1 5 10 15
 Phe Gly Leu Ser Leu Val Tyr Phe Leu Ser Ser Thr Phe Lys Gln Glu
 20 25 30
 Glu Arg Ala Val Arg Asp Arg Asn Leu Leu Gln Val His Asp His Asn
 35 40 45
 Gln Pro Ile Pro Trp Lys Val Gln Phe Asn Leu Gly Asn Ser Ser Arg
 50 55 60
 Pro Ser Asn Gln Cys Arg Asn Ser Ile Gln Gly Lys His Leu Ile Thr
 65 70 75 80
 Asp Glu Leu Gly Tyr Val Cys Glu Arg Lys Asp Leu Leu Val Asn Gly
 85 90 95
 Cys Cys Asn Val Asn Val Pro Ser Thr Lys Gln Tyr Cys Cys Asp Gly
 100 105 110
 Cys Trp Pro Asn Gly Cys Cys Ser Ala Tyr Glu Tyr Cys Val Ser Cys
 115 120 125
 Cys Leu Gln Pro Asn Lys Gln Leu Leu Leu Glu Arg Phe Leu Asn Arg
 130 135 140
 Ala Ala Val Ala Phe Gln Asn Leu Phe Met Ala Val Glu Asp His Phe
 145 150 155 160
 Glu Leu Cys Leu Ala Lys Cys Arg Thr Ser Ser Gln Ser Val Gln His
 165 170 175
 Glu Asn Thr Tyr Arg Asp Pro Ile Ala Lys Tyr Cys Tyr Gly Glu Ser
 180 185 190
 Pro Pro Glu Leu Phe Pro Ala *
 195 199

<210> 1465
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1465
 Met Gln Leu Ile Arg Arg Ser His Asn Arg His Trp Phe Arg Ser Ala
 1 5 10 15
 Ile Thr Phe Leu Met Cys Lys Gly Ile Thr Leu Leu Trp Leu Trp Lys
 20 25 30
 Leu Leu Thr Gly Asn Asp Cys Ile Glu Tyr Ile Arg Lys *
 35 40 45

<210> 1466
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1466

```

Met Arg Leu Leu Phe Ser Ser Gln Val Asn Ser Lys Arg Leu Thr Ala
 1           5           10           15
Ser Arg Ala Phe Leu Val Leu Val Pro Ala His Leu Ser Tyr Leu Leu
          20           25           30
Ala Leu Pro Ser Ile Pro Ala Thr Arg Gly Phe Trp Phe Lys Asp Thr
          35           40           45
Val Phe Leu Ser Cys Ser Ala *
          50           55

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<210> 1467

<211> 366

<212> PRT

<213> Homo sapiens

<400> 1467

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Met Arg Gly Gln Val Val Thr Leu Ile Leu Leu Leu Leu Lys Val
 1           5           10           15
Tyr Gln Gly Lys Gly Cys Gln Gly Ser Ala Asp His Val Val Ser Ile
          20           25           30
Ser Gly Val Pro Leu Gln Leu Gln Pro Asn Ser Ile Gln Thr Lys Val
          35           40           45
Asp Ser Ile Ala Trp Lys Lys Leu Leu Pro Ser Gln Asn Gly Phe His
          50           55           60
His Ile Leu Lys Trp Glu Asn Gly Ser Leu Pro Ser Asn Thr Ser Asn
          65           70           75           80
Asp Arg Phe Ser Phe Ile Val Lys Asn Leu Ser Leu Leu Ile Lys Ala
          85           90           95
Ala Gln Gln Gln Asp Ser Gly Leu Tyr Cys Leu Glu Val Thr Ser Ile
          100          105          110
Ser Gly Lys Val Gln Thr Ala Thr Phe Gln Val Phe Val Phe Asp Lys
          115          120          125
Val Glu Lys Pro Arg Leu Gln Gly Gln Gly Lys Ile Leu Asp Arg Gly
          130          135          140
Arg Cys Gln Val Ala Leu Ser Cys Leu Val Ser Arg Asp Gly Asn Val
          145          150          155          160
Ser Tyr Ala Trp Tyr Arg Gly Ser Lys Leu Ile Gln Thr Ala Gly Asn
          165          170          175
Leu Thr Tyr Leu Asp Glu Glu Val Asp Ile Asn Gly Thr His Thr Tyr
          180          185          190
Thr Cys Asn Val Ser Asn Pro Val Ser Trp Glu Ser His Thr Leu Asn
          195          200          205
Leu Thr Gln Asp Cys Gln Asn Ala His Gln Glu Phe Arg Phe Trp Pro
          210          215          220
Phe Leu Val Ile Ile Val Ile Leu Ser Ala Leu Phe Leu Gly Thr Leu
          225          230          235          240
Ala Cys Phe Cys Val Trp Arg Arg Lys Arg Lys Glu Lys Gln Ser Glu
          245          250          255
Thr Ser Pro Lys Glu Phe Leu Thr Ile Tyr Glu Asp Val Lys Asp Leu
          260          265          270
Lys Thr Arg Arg Asn His Glu Gln Glu Gln Thr Phe Pro Gly Gly Gly
          275          280          285
Ser Thr Ile Tyr Ser Met Ile Gln Ser Gln Ser Ser Ala Pro Thr Ser
          290          295          300
Gln Glu Pro Ala Tyr Thr Leu Tyr Ser Leu Ile Gln Pro Ser Arg Lys

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305          310          315          320
Ser Gly Ser Arg Lys Arg Asn His Ser Pro Ser Phe Asn Ser Thr Ile
          325          330          335
Tyr Glu Val Ile Gly Lys Ser Gln Pro Lys Ala Gln Asn Pro Ala Arg
          340          345          350
Leu Ser Arg Lys Glu Leu Glu Asn Phe Asp Val Tyr Ser *
          355          360          365

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<210> 1468
 <211> 57
 <212> PRT
 <213> Homo sapiens

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<400> 1468
Met Thr Asp Phe Phe Leu Cys Ile His Ser Phe Tyr Leu Cys Val Leu
 1          5          10          15
Leu Gln Ala Ser Leu Asp Met Leu Ser Val Lys Ser Phe Ser Phe Lys
          20          25          30
Val Leu Cys Leu Met Lys Ala Lys Glu Lys Pro Asn Thr Thr Ser Cys
          35          40          45
His Leu Val Ile Asp Ser Asn Ser Thr
          50          55          57

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<210> 1469
 <211> 110
 <212> PRT
 <213> Homo sapiens

```

<400> 1469
Met Leu Glu Ile Leu Leu Lys Leu Val Arg Leu Leu Thr Thr Gln Pro
 1          5          10          15
Tyr Leu Thr Leu Phe Gln Ala Val Arg Asn Leu Ala Leu Asn Leu Ser
          20          25          30
Thr Ser Ser Gly Ser Leu Gly Pro Ala Pro Gly Glu Pro Arg Ala Gly
          35          40          45
Pro Leu Ala Pro Glu Gly Pro Arg Pro Leu Gly Ser Gly Pro Leu Gly
          50          55          60
Pro Arg Gly Leu Arg Ala Ser Gly Arg Arg Arg Ala Ser Ser Gly Leu
          65          70          75          80
Leu Leu Arg Tyr Cys Ala Ala Ala Gly Asp Thr Glu Phe Met Asp Ala
          85          90          95
Pro Gly Gly Arg Thr Glu Gly Pro Gly Gly Gly Leu Arg Pro
          100          105          110

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<210> 1470
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1470

Met Met Cys Arg Cys Met Cys Ala Cys Val Cys Ala Pro Val Cys Val
 1 5 10 15
 His Met His Gly Leu Ala Pro Ala Pro Ala Ile Trp Ile Glu Gln Phe
 20 25 30
 Trp Val Glu Asn Phe Phe Ser Pro Phe Leu Lys Val Ser Phe Tyr Ser
 35 40 45
 Leu Pro Val Cys Ile Glu Lys Ser Ser Ile *
 50 55 58

<210> 1471
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1471
 Met Met His Phe Leu Thr Gly Gly Trp Lys Val Leu Phe Ala Cys Val
 1 5 10 15
 Pro Pro Thr Glu Tyr Cys His Gly Trp Ala Cys Phe Gly Val Ser Ile
 20 25 30
 Leu Val Ile Gly Leu Leu Thr Ala Leu Ile Gly Asp Leu Ala Ser His
 35 40 45
 Phe Gly Cys Thr Val Gly Leu Lys Asp Ser Val Asn Ala Val Val Phe
 50 55 60
 Val Ala Leu Gly Thr Ser Ile Pro Gly Asn Thr Leu Gly Asp Phe Gly
 65 70 75 80
 Gly Val Gly Ser Gln Met Ser Gln Ala Gly Ala Thr Gln Asp Pro Ala
 85 90 95
 Glu Met Arg His Val Arg Gln Gln Gly Gly Ala Ala Gly Pro Val
 100 105 110
 Arg Arg Arg Val His Arg Glu Arg Asp Pro Leu
 115 120 123

<210> 1472
 <211> 316
 <212> PRT
 <213> Homo sapiens

<400> 1472
 Met Val Ser Ala Ser Gly Thr Ser Phe Phe Lys Gly Met Leu Leu Gly
 1 5 10 15
 Ser Ile Ser Trp Val Leu Ile Thr Met Phe Gly Gln Ile His Ile Arg
 20 25 30
 His Arg Gly Gln Thr Gln Asp His Glu His His His Leu Arg Pro Pro
 35 40 45
 Asn Arg Asn Asp Phe Leu Asn Thr Ser Lys Val Ile Leu Leu Glu Leu
 50 55 60
 Ser Lys Ser Ile Arg Val Phe Cys Ile Ile Phe Gly Glu Ser Glu Asp
 65 70 75 80
 Glu Ser Tyr Trp Ala Val Leu Lys Glu Thr Trp Thr Lys His Cys Asp
 85 90 95
 Lys Ala Glu Leu Tyr Asp Thr Lys Asn Asp Asn Leu Phe Asn Ile Glu
 100 105 110
 Ser Asn Asp Arg Trp Val Gln Met Arg Thr Ala Tyr Lys Tyr Val Phe

```

      115      120      125
Glu Lys Asn Gly Asp Asn Tyr Asn Trp Phe Phe Leu Ala Leu Pro Thr
130      135      140
Thr Phe Ala Val Ile Glu Asn Leu Lys Tyr Leu Leu Phe Thr Arg Asp
145      150      155      160
Ala Ser Gln Pro Phe Tyr Leu Gly His Thr Val Ile Phe Gly Asp Leu
165      170      175
Glu Tyr Val Thr Val Glu Gly Gly Ile Val Leu Ser Arg Glu Leu Met
180      185      190
Lys Arg Leu Asn Arg Leu Leu Asp Asn Ser Glu Thr Cys Ala Asp Gln
195      200      205
Ser Val Ile Trp Lys Leu Ser Glu Asp Lys Gln Leu Ala Ile Cys Leu
210      215      220
Lys Tyr Ala Gly Val His Ala Glu Asn Ala Glu Asp Tyr Glu Gly Arg
225      230      235      240
Asp Val Phe Asn Thr Lys Pro Ile Ala Gln Leu Ile Glu Glu Ala Leu
245      250      255
Ser Asn Asn Pro Gln Gln Val Val Glu Gly Cys Cys Ser Asp Met Ala
260      265      270
Ile Thr Phe Asn Gly Leu Thr Pro Gln Lys Met Glu Val Met Met Tyr
275      280      285
Gly Leu Tyr Arg Leu Arg Ala Phe Gly His Tyr Phe Asn Asp Thr Leu
290      295      300
Val Phe Leu Pro Pro Val Gly Ser Glu Asn Asp *
305      310      315

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<210> 1473
<211> 65
<212> PRT
<213> Homo sapiens

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<400> 1473
Met Gln Cys Pro Pro Pro Phe Leu Gly Gln Trp Leu Leu Cys Pro Ala
1      5      10      15
Ala Arg Gln Trp Gly Pro Gly Ala Gly Ser Pro Gly Pro Val Leu Val
20      25      30
Pro Ala Gly Arg Arg Arg Pro Pro Pro Arg Ser Gly Pro Gln Arg Asp
35      40      45
Ser Pro Ala Pro Val Arg Gly Pro Gln Phe His Ser Val Val Gly Pro
50      55      60      64
*
```

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<210> 1474
<211> 55
<212> PRT
<213> Homo sapiens

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<400> 1474
Met Ile Phe Met Arg Val Leu Met Leu Leu Cys Cys Met Asp Ser Leu
1      5      10      15
Gly Ser Leu Asp Thr Phe Gln Trp Leu Ser Arg Val Leu Cys Pro Thr
20      25      30

```

Glu Asn Leu Ile Phe Glu Leu Asn Gly Tyr Glu Leu Asn Ser Thr Trp
 35 40 45
 Phe Gly Trp Leu Asn Thr *
 50 54

<210> 1475
 <211> 128
 <212> PRT
 <213> Homo sapiens

 <221> misc_feature
 <222> (1)...(128)
 <223> Xaa = any amino acid or nothing

<400> 1475
 Met Lys Phe Gln Leu Phe Leu Ser Tyr Val Phe Ile Thr Gln Val Phe
 1 5 10 15
 Ser Arg Pro Phe Gln Ser Asn Leu Gly Ser Leu Thr Pro Ala Ser Ser
 20 25 30
 Gln Ile Pro Leu Gln Leu Pro Lys Ala Leu Cys Val Arg Cys Leu Asn
 35 40 45
 Thr Val Xaa Xaa Xaa Xaa Xaa Thr Gly Phe Gly Lys Phe Gln Ile Thr
 50 55 60
 Ile Gln Ser Pro Gly Gly Pro Leu Val Leu Ala Arg Pro Trp Ala Ser
 65 70 75 80
 Lys Phe Pro Ser Pro Lys Phe Xaa Xaa Xaa Xaa Xaa Xaa Pro Lys Met
 85 90 95
 Gly Gly Lys Thr Phe Ala Tyr Gly Arg Ile Asn Pro Thr Arg Pro Ala
 100 105 110
 Lys Asn Xaa Xaa Xaa Xaa Xaa Xaa Ser Leu Ala Ser Leu Asn Pro Thr
 115 120 125 128

<210> 1476
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 1476
 Met Tyr Phe Phe Leu Leu Leu Leu Phe Phe Asn Val Gln Arg Leu Ala
 1 5 10 15
 Phe Pro Phe Gly Ile Pro Asn Asp Pro Met Leu Trp Ser Glu Gly Gln
 20 25 30
 Ser His Leu Cys Trp Arg Ser Pro Leu Ile Pro Ser Ala Gln Phe Arg
 35 40 45
 Gly Ser Arg Ala Asp Ile Arg Gly Ser Met Leu His Ser Ser Ser Gly
 50 55 60
 Arg Val Val Pro Leu Asn Pro Ala Thr Lys Leu Ser Pro Leu Glu Ser
 65 70 75 80
 Gln Met Ala Leu His Thr Lys Ala Val Glu Ala Gly Met Val Phe Gly
 85 90 95
 His Arg Ala Glu His Lys Asp Pro Arg Ser Val Trp Glu Ser Tyr Trp


```

      100      105      110
Leu Leu Gly Ser Pro Trp Ala Glu Val Thr Arg Leu His Pro Arg Arg
      115      120      125
Ala Gln Leu Gly Ser Leu Pro Pro Pro Asp Pro Arg Thr Thr His Arg
      130      135      140
Arg Gly Ala Val Ser Ile Phe Leu Lys Gly Pro Phe Gly Asp Leu Val
145      150      155      160
Leu Ser Val Glu Arg Thr Asp Val Ala Leu Ser Ser Gln His Ile Pro
      165      170      175
Gly Ser Gly Arg Pro Gln Leu Lys Gln Cys Gln Gly Pro Gln Gly Ser
      180      185      190
His Leu Asp Arg Pro Thr Ala Cys Asn Ser Ala Leu Leu Arg Arg Gln
      195      200      205
His *
209

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<210> 1477
<211> 57
<212> PRT
<213> Homo sapiens

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<400> 1477
Met His Thr Cys Gln Ile Tyr Ile Tyr Ser Thr Asn Val Thr Phe Leu
 1      5      10      15
Phe Phe Val Leu Asp Val Arg Ala Cys Ser Tyr Val Arg Tyr Leu His
      20      25      30
Lys Leu Leu His Tyr Phe Phe Leu Cys Asn Thr Phe Leu Phe Val Tyr
      35      40      45
Val Val Gln Ile Tyr Phe Phe Pro *
      50      55 56

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<210> 1478
<211> 97
<212> PRT
<213> Homo sapiens

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<400> 1478
Met Arg Ile Trp Ser Arg Ala Val Gly Asp Gly Pro Ala Ala Val Cys
 1      5      10      15
Cys Pro Leu Arg Ser Trp Cys Leu Leu Trp Ala Leu Asp Ser Leu
      20      25      30
Asp Pro Ala Ala Val Thr Thr His Ala Ser Ala Met Leu Ser Gly Val
      35      40      45
Phe Thr Pro Pro Phe Val Ser Ala Leu Pro Val Gln Trp Met Gln Met
      50      55      60
Pro Val Leu Ser Phe Leu Ser Leu Thr Gly Ser Ser Val Tyr Val His
      65      70      75      80
Met Ala Leu Leu Ser Gly His Gln Gly Ser Asp Thr Cys Ser Gly Leu
      85      90      95 96
*

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<210> 1479
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 1479
 Met Leu Ser Ile Ser Tyr Phe Ser Asn Ser Leu Met Leu Arg Leu Val
 1 5 10 15
 Pro Leu Ala Ala Tyr Val Leu Ser Tyr Leu Ile Cys Ser Val Leu Leu
 20 25 30
 His Ile Asn Gln Thr Thr Val Thr Tyr Arg Gly Arg Lys Gln Arg
 35 40 45
 Lys Lys Ile Gln Phe Ala Thr Gly Asn His Gln Ser Ala Gln Ser Tyr
 50 55 60
 Ser Glu Leu Leu Ser Leu Ser Leu Ser Phe Ser Ser Leu Leu Ser Pro
 65 70 75 80
 Val Phe Ser Leu Pro Ser Trp Ser Leu Pro Ser Leu Pro Pro Phe Phe
 85 90 95
 Ser His Ser Pro His Gln Lys Gly Ile Met Met Val Pro Arg Ser Val
 100 105 110 112
 *

<210> 1480
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 1480
 Met Arg Leu Ser Val Cys Leu Leu Leu Leu Thr Leu Ala Leu Cys Cys
 1 5 10 15
 Tyr Arg Ala Asn Ala Val Val Cys Gln Ala Leu Gly Ser Glu Ile Thr
 20 25 30
 Gly Phe Leu Leu Ala Gly Lys Pro Val Phe Lys Phe Gln Leu Ala Lys
 35 40 45
 Phe Lys Ala Pro Leu Glu Ala Val Ala Ala Lys Met Glu Val Lys Lys
 50 55 60
 Cys Val Asp Thr Met Ala Tyr Glu Lys Arg Val Leu Ile Thr Lys Thr
 65 70 75 80
 Leu Gly Lys Ile Ala Glu Lys Cys Asp Arg *
 85 90

<210> 1481
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1481
 Met Pro Gly Ser Ile Leu Ser Asn Leu His Val Leu Leu Lys Tyr Leu
 1 5 10 15
 Phe Thr Phe Ala Glu Val Phe Leu Val Pro Gly Pro Phe Asn Val Leu

20 25 30
 Phe Leu Ser Leu Arg Leu Glu Thr Leu Thr Phe Phe Val Leu Trp Leu
 35 40 45
 Val Pro Tyr Leu Ile *
 50 53

<210> 1482
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1482
 Met Glu Arg Trp Leu Gly Leu Ile Gln Thr Leu Trp Leu Pro Ala His
 1 5 10 15
 Ser Gly Pro Leu Gly Arg Ala Trp Val Val Pro Arg Ala Thr Ser Gly
 20 25 30
 His Tyr Trp Gly Gly Lys Gly Thr Asn Glu Gly Gly Gln Asp Lys Gly
 35 40 45
 His Phe Pro Leu Pro Pro Arg *
 50 55

<210> 1483
 <211> 202
 <212> PRT
 <213> Homo sapiens

<400> 1483
 Met Leu Leu Leu Leu Gly Leu Cys Leu Gly Leu Ser Leu Cys Val Gly
 1 5 10 15
 Ser Gln Glu Glu Ala Gln Ser Trp Gly His Ser Ser Glu Gln Asp Gly
 20 25 30
 Leu Arg Val Pro Arg Gln Val Arg Leu Leu Gln Arg Leu Lys Thr Lys
 35 40 45
 Pro Leu Met Thr Glu Phe Ser Val Lys Ser Thr Ile Ile Ser Arg Tyr
 50 55 60
 Ala Phe Thr Thr Val Ser Cys Arg Met Leu Asn Arg Ala Ser Glu Asp
 65 70 75 80
 Gln Asp Ile Glu Phe Gln Met Gln Ile Pro Ala Ala Ala Phe Ile Thr
 85 90 95
 Asn Phe Thr Met Leu Ile Gly Asp Lys Val Tyr Gln Gly Glu Ile Thr
 100 105 110
 Glu Arg Glu Lys Lys Ser Gly Asp Arg Val Lys Glu Lys Arg Asn Lys
 115 120 125
 Thr Thr Glu Glu Asn Gly Glu Lys Gly Thr Glu Ile Phe Arg Ala Ser
 130 135 140
 Ala Val Ile Pro Ser Lys Asp Lys Ala Ala Phe Phe Leu Ser Tyr Glu
 145 150 155 160
 Glu Leu Leu Gln Arg Arg Leu Gly Lys Tyr Glu His Ser Ile Ser Val
 165 170 175
 Arg Pro Gln Gln Leu Ser Gly Arg Leu Ser Val Asp Val Asn Ile Leu
 180 185 190
 Glu Ser Ala Gly Ile Ala Ser Leu Glu Val
 195 200 202

<210> 1484
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 1484
 Met Pro Gln Leu Ser Leu Ser Trp Leu Gly Leu Gly Gln Val Ala Ala
 1 5 10 15
 Phe Pro Trp Leu Leu Leu Leu Ala Gly Ala Ser Arg Leu Leu Ala
 20 25 30
 Gly Phe Leu Ala Trp Thr Tyr Ala Phe Tyr Asp Asn Cys Arg Arg Leu
 35 40 45
 Gln Tyr Phe Pro Gln Pro Pro Lys Gln Lys Trp Phe Trp Gly Gln Pro
 50 55 60
 Gly Pro Pro Ala Ile Ala Pro Lys Asp Asp Leu Ser Ile Arg Phe Leu
 65 70 75 80
 Lys Pro Trp Leu Gly Glu Gly Ile Leu Leu Ser Gly Gly Asp Lys Trp
 85 90 95
 Ser Arg His Arg Arg Met Leu Thr Pro Ala Phe His Phe Asn Ile Leu
 100 105 110
 Lys Ser Tyr Ile Thr Ile Phe Asn Lys Ser Ala Asn Ile Met Leu Asp
 115 120 125
 Lys Trp Gln His Leu Ala Ser Glu Gly Ser Ser Cys Leu Asp Met Phe
 130 135 140
 Glu His Ile Ser Leu Met Thr Leu Asp Ser Leu Gln Lys Cys Ile Phe
 145 150 155 160
 Ser Phe Asp Ser His Cys Gln Glu Arg Pro Ser Glu Tyr Ile Ala Thr
 165 170 175
 Ile Leu Glu Leu Ser Ala Leu Val Glu Lys Arg Ser Gln His Ile Leu
 180 185 190
 Gln His Met Asp Phe Leu Tyr Tyr Leu Ser His Asp Gly Arg Arg Phe
 195 200 205
 His Arg Ala Cys Arg Leu Val His Asp Phe Thr Asp Ala Val Ile Arg
 210 215 220
 Glu Arg Arg Arg Thr Leu Pro Thr Gln Gly Ile Asp Asp Phe Phe Lys
 225 230 235 240
 Asp Lys Ala Lys Ser Lys Thr Leu Asp Phe Ile Asp Val Leu Leu Leu
 245 250 255
 Ser Lys Asp Glu Asp Gly Lys Ala Leu Ser Asp Glu Asp Ile Arg Ala
 260 265 270
 Glu Ala Asp Thr Phe Met Phe Gly Gly His Asp Thr Thr Ala Ser Gly
 275 280 285
 Leu Ser Trp Val Leu Tyr Asn Leu Ala Arg His Pro Glu Tyr Gln Glu
 290 295 300
 Arg Cys Arg Gln Glu Val Gln Glu Leu Leu Lys Asp Arg Asp Pro Lys
 305 310 315 320
 Glu Ile Glu Trp Asp Asp Leu Ala Gln Leu Pro Phe Leu Thr Met Cys
 325 330 335
 Val Lys Glu Ser Leu Arg Leu His Pro Pro Ala Pro Phe Ile Ser Arg
 340 345 350
 Cys Cys Thr Gln Asp Ile Val Leu Pro Asp Gly Arg Val Ile Pro Lys
 355 360 365
 Gly Ile Thr Cys Leu Ile Asp Ile Ile Gly Val His His Asn Pro Thr
 370 375 380
 Val Trp Pro Asp Pro Glu Val Tyr Asp Pro Phe Arg Phe Asp Pro Glu

385 390 395 400
 Asn Ser Lys Gly Arg Ser Pro Leu Ala Phe Ile Pro Phe Ser Ala Gly
 405 410 415
 Pro Arg Asn Cys Ile Gly Gln Ala Phe Ala Met Ala Glu Met Lys Val
 420 425 430
 Val Leu Ala Leu Met Leu Leu His Phe Arg Phe Leu Pro Asp His Thr
 435 440 445
 Glu Pro Arg Arg Lys Leu Glu Leu Ile Met Arg Ala Glu Gly Gly Leu
 450 455 460
 Trp Leu Arg Val Glu Pro Leu Asn Val Ser Leu Gln *
 465 470 475 476

<210> 1485
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 1485
 Met Ala Cys Cys Leu Phe Leu Asn Gly Ser Trp Leu Ser Met Ala Leu
 1 5 10 15
 Lys Phe Phe Asn Cys Trp Gly Lys Lys Ile Lys Arg Ile Ile Phe Tyr
 20 25 30
 Val Lys Ile Met Lys Phe Lys Phe Gln Cys Pro Gln Ile Asn Thr Ala
 35 40 45
 Thr Tyr Ile His Leu His Gly Cys Phe Cys Thr Ser Met Ala Glu Leu
 50 55 60
 Ser Ser *
 65 66

<210> 1486
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1486
 Met Gly Ser Ser Val Leu Ser Ile Trp Ile Leu Ser Pro Ser Ile Tyr
 1 5 10 15
 Pro Ile Leu Ser Pro Leu Ala Met Pro Cys Leu Ser Arg Thr Asp Leu
 20 25 30
 Ile Arg Val Arg Arg Ile Gln Gly Ala Trp Pro Ser Glu Gly Thr Ala
 35 40 45
 Ser Ser Ile Arg Gly Trp Val Leu Thr Lys Leu Arg Met Ser Ser Gly
 50 55 60
 Lys Ala Leu Glu Ala Leu Tyr Cys Ile Pro Gly Ala Ala Gln His Pro
 65 70 75 80
 Gly Leu Gly Val Thr Arg Val Trp Ser Gly Arg Thr *
 85 90 92

<210> 1487
 <211> 88
 <212> PRT

<213> Homo sapiens

<400> 1487

```

Met Gln Lys Val Thr Leu Gly Leu Leu Val Phe Leu Ala Gly Phe Pro
 1          5          10          15
Val Leu Asp Ala Asn Asp Leu Glu Asp Lys Asn Ser Pro Phe Tyr Tyr
          20          25          30
Asp Trp His Ser Leu Gln Val Gly Gly Leu Ile Cys Ala Gly Val Leu
          35          40          45
Cys Ala Met Gly Ile Ile Ile Val Met Ser Ala Lys Cys Lys Cys Lys
          50          55          60
Phe Gly Gln Lys Ser Gly His His Pro Gly Glu Thr Pro Pro Leu Ile
          65          70          75          80
Thr Pro Gly Ser Ala Gln Ser *
          85          87

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<210> 1488

<211> 268

<212> PRT

<213> Homo sapiens

<400> 1488

```

Met Gly Ser Ala Cys Ile Lys Val Thr Lys Tyr Phe Leu Phe Leu Phe
 1          5          10          15
Asn Leu Ile Phe Phe Ile Leu Gly Ala Val Ile Leu Gly Phe Gly Val
          20          25          30
Trp Ile Leu Ala Asp Lys Ser Ser Phe Ile Ser Val Leu Gln Thr Ser
          35          40          45
Ser Ser Ser Leu Arg Met Gly Ala Tyr Val Phe Ile Gly Val Gly Ala
          50          55          60
Val Thr Met Leu Met Gly Phe Leu Gly Cys Ile Gly Ala Val Asn Glu
          65          70          75          80
Val Arg Cys Leu Leu Gly Leu Tyr Phe Ala Phe Leu Leu Leu Ile Leu
          85          90          95
Ile Ala Gln Val Thr Ala Gly Ala Leu Phe Tyr Phe Asn Met Gly Lys
          100          105          110
Leu Lys Gln Glu Met Gly Gly Ile Val Thr Glu Leu Ile Arg Asp Tyr
          115          120          125
Asn Ser Ser Arg Glu Asp Ser Leu Gln Asp Ala Trp Asp Tyr Val Gln
          130          135          140
Ala Gln Val Lys Cys Cys Gly Trp Val Ser Phe Tyr Asn Trp Thr Asp
          145          150          155          160
Asn Ala Glu Leu Met Asn Arg Pro Glu Val Thr Tyr Pro Cys Ser Cys
          165          170          175
Glu Val Lys Gly Glu Glu Asp Asn Ser Leu Ser Val Arg Lys Gly Phe
          180          185          190
Cys Glu Ala Pro Gly Asn Arg Thr Gln Ser Gly Asn His Pro Glu Asp
          195          200          205
Trp Pro Val Tyr Gln Glu Gly Cys Met Glu Lys Val Gln Ala Trp Leu
          210          215          220
Gln Glu Asn Leu Gly Ile Ile Leu Gly Val Gly Val Gly Val Ala Ile
          225          230          235          240
Ile Glu Leu Leu Gly Met Val Leu Ser Ile Cys Leu Cys Arg His Val
          245          250          255
His Ser Glu Asp Tyr Ser Lys Val Pro Lys Tyr *

```

260

265

267

<210> 1489
 <211> 832
 <212> PRT
 <213> Homo sapiens

<400> 1489
 Met Thr Leu Ala Leu Ala Tyr Leu Leu Ala Leu Pro Gln Val Leu Asp
 1 5 10 15
 Ala Asn Arg Cys Phe Glu Lys Gln Ser Pro Ser Ala Leu Ser Leu Gln
 20 25 30
 Leu Ala Ala Tyr Tyr Tyr Ser Leu Gln Ile Tyr Ala Arg Leu Ala Pro
 35 40 45
 Cys Phe Arg Asp Lys Cys His Pro Leu Tyr Arg Ala Asp Pro Lys Glu
 50 55 60
 Leu Ile Lys Met Val Thr Arg His Val Thr Arg His Glu His Glu Ala
 65 70 75 80
 Trp Pro Glu Asp Leu Ile Ser Leu Thr Lys Gln Leu His Cys Tyr Asn
 85 90 95
 Glu Arg Leu Leu Asp Phe Thr Gln Ala Gln Ile Leu Gln Gly Leu Arg
 100 105 110
 Lys Gly Val Asp Val Gln Arg Phe Thr Ala Asp Asp Gln Tyr Lys Arg
 115 120 125
 Glu Thr Ile Leu Gly Leu Ala Glu Thr Leu Glu Glu Ser Val Tyr Ser
 130 135 140
 Ile Ala Ile Ser Leu Ala Gln Arg Tyr Ser Val Ser Arg Trp Glu Val
 145 150 155 160
 Phe Met Thr His Leu Glu Phe Leu Phe Thr Asp Ser Gly Leu Ser Thr
 165 170 175
 Leu Glu Ile Glu Asn Arg Ala Gln Asp Leu His Leu Phe Glu Thr Leu
 180 185 190
 Lys Thr Asp Pro Glu Ala Phe His Gln His Met Val Lys Tyr Ile Tyr
 195 200 205
 Pro Thr Ile Gly Gly Phe Asp His Glu Arg Leu Gln Tyr Tyr Phe Thr
 210 215 220
 Leu Leu Glu Asn Cys Gly Cys Ala Asp Leu Gly Asn Cys Ala Ile Lys
 225 230 235 240
 Pro Glu Thr His Ile Arg Leu Leu Lys Lys Phe Lys Val Val Ala Ser
 245 250 255
 Gly Leu Asn Tyr Lys Lys Leu Thr Asp Glu Asn Met Ser Pro Leu Glu
 260 265 270
 Ala Leu Glu Pro Val Leu Ser Ser Gln Asn Ile Leu Ser Ile Ser Lys
 275 280 285
 Leu Val Pro Lys Ile Pro Glu Lys Asp Gly Gln Met Leu Ser Pro Ser
 290 295 300
 Ser Leu Tyr Thr Ile Trp Leu Gln Lys Leu Phe Trp Thr Gly Asp Pro
 305 310 315 320
 His Leu Ile Lys Gln Val Pro Gly Ser Ser Pro Glu Trp Leu His Ala
 325 330 335
 Tyr Asp Val Cys Met Lys Tyr Phe Asp Arg Leu His Pro Gly Asp Leu
 340 345 350
 Ile Thr Val Val Asp Ala Val Thr Phe Ser Pro Lys Ala Val Thr Lys
 355 360 365
 Leu Ser Val Glu Ala Arg Lys Glu Met Thr Arg Lys Ala Ile Lys Thr
 370 375 380

Val Lys His Phe Ile Glu Lys Pro Arg Lys Arg Asn Ser Glu Asp Glu
 385 390 395 400
 Ala Gln Glu Ala Lys Asp Ser Lys Val Thr Tyr Ala Asp Thr Leu Asn
 405 410 415
 His Leu Glu Lys Ser Leu Ala His Leu Glu Thr Leu Ser His Ser Phe
 420 425 430
 Ile Leu Ser Leu Lys Asn Ser Glu Gln Glu Thr Leu Gln Lys Tyr Ser
 435 440 445
 His Leu Tyr Asp Leu Ser Arg Ser Glu Lys Glu Lys Leu His Asp Glu
 450 455 460
 Ala Val Ala Ile Cys Leu Asp Gly Gln Pro Leu Ala Met Ile Gln Gln
 465 470 475 480
 Leu Leu Glu Val Ala Val Gly Pro Leu Asp Ile Ser Pro Lys Asp Ile
 485 490 495
 Val Gln Ser Ala Ile Met Lys Ile Ile Ser Ala Leu Ser Gly Gly Ser
 500 505 510
 Ala Asp Leu Gly Gly Pro Arg Asp Pro Leu Lys Val Leu Glu Gly Val
 515 520 525
 Val Ala Ala Val His Ala Ser Val Asp Lys Gly Glu Glu Leu Val Ser
 530 535 540
 Pro Glu Asp Leu Leu Glu Trp Leu Arg Pro Phe Cys Ala Asp Asp Ala
 545 550 555 560
 Trp Pro Val Arg Pro Arg Ile His Val Leu Gln Ile Leu Gly Gln Ser
 565 570 575
 Phe His Leu Thr Glu Glu Asp Ser Lys Leu Leu Val Phe Phe Arg Thr
 580 585 590
 Glu Ala Ile Leu Lys Ala Ser Trp Pro Gln Arg Gln Val Asp Ile Ala
 595 600 605
 Asp Ile Glu Asn Glu Glu Asn Arg Tyr Cys Leu Phe Met Glu Leu Leu
 610 615 620
 Glu Ser Ser His His Glu Ala Glu Phe Gln His Leu Val Leu Leu Leu
 625 630 635 640
 Gln Ala Trp Pro Pro Met Lys Ser Glu Tyr Val Ile Thr Asn Asn Pro
 645 650 655
 Trp Val Arg Leu Ala Thr Val Met Leu Thr Arg Cys Thr Met Glu Asn
 660 665 670
 Lys Glu Gly Leu Gly Asn Glu Val Leu Lys Met Cys Arg Ser Leu Tyr
 675 680 685
 Asn Thr Lys Gln Met Leu Pro Ala Glu Gly Val Lys Glu Leu Cys Leu
 690 695 700
 Leu Leu Leu Asn Gln Ser Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu
 705 710 715 720
 Glu Ser Arg Asp Glu His Leu His Glu Met Ala Leu Glu Gln Ile Thr
 725 730 735
 Ala Val Thr Thr Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser
 740 745 750
 Leu Leu Leu Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe
 755 760 765
 Tyr Pro Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg
 770 775 780
 Trp Asp Ala Glu Glu Leu Gly Arg His Leu Arg Glu Ala Gly His Glu
 785 790 795 800
 Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln Ala
 805 810 815
 Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp Val *
 820 825 830 831

<210> 1490
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1490
 Met Trp Phe Leu Leu Val Ser Val Val Cys Leu Tyr Gly Ile Gly Glu
 1 5 10 15
 Gly Asn Phe Phe Ser Leu Ala Ser Val Phe Ser Leu Leu Ser Leu Cys
 20 25 30
 Leu His Leu Leu Leu Trp Lys Arg Ala Phe Asp Arg Thr Asp Val Leu
 35 40 45
 Thr Ser Glu Trp Ile Phe *
 50 54

<210> 1491
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 1491
 Met Thr Thr Thr Phe Pro Pro Arg Lys Met Val Ala Gln Phe Leu Leu
 1 5 10 15
 Val Ala Gly Asn Val Ala Asn Ile Thr Thr Val Ser Leu Trp Glu Glu
 20 25 30
 Phe Ser Ser Ser Asp Leu Ala Asp Leu Arg Phe Leu Asp Met Ser Gln
 35 40 45
 Asn Gln Phe Gln Tyr Leu Pro Asp Gly Phe Leu Arg Lys Met Pro Ser
 50 55 60
 Leu Ser His Leu Asn Leu His Gln Asn Cys Leu Met Thr Leu His Ile
 65 70 75 80
 Arg Glu His Glu Pro Gly Ala Leu Thr Glu Leu Asp Leu Ser His
 85 90 95
 Asn Gln Leu Ser Glu Leu His Leu Ala Pro Gly Leu Ala Ser Cys Leu
 100 105 110
 Gly Ser Leu Arg Leu Phe Asn Leu Ser Ser Asn Gln Leu Leu Gly Val
 115 120 125
 Pro Pro Gly Pro Leu Tyr
 130 134

<210> 1492
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1492
 Met Arg Ser Glu Trp Phe Tyr Lys Trp Phe Phe Pro Pro Phe Ala Leu
 1 5 10 15
 His Phe Ser Leu Leu Pro Pro Cys Glu Glu Gly His Val Cys Leu Pro
 20 25 30
 Met Cys His Glu Cys Lys Phe Pro Glu Ala Ser Pro Ala Thr Met Asn
 35 40 45

Cys Glu Ser Ile Lys Pro Leu Phe Leu Ile Asn Tyr Pro Val Ser Asn
 50 55 60
 Lys Ser Leu Leu Ala Thr *
 65 70

<210> 1493
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 1493
 Met Trp Ile Tyr Phe Trp Thr Leu Asn Ser Val Pro Val Ile Tyr Met
 1 5 10 15
 Ser Thr Leu Met Ser Ile Pro His Tyr Phe Asp Tyr Cys Cys Phe Ile
 20 25 30
 Val Ser Asp Ile Met Leu Pro Glu Ile Thr Phe Ser Thr Phe Ile Leu
 35 40 45
 Leu Leu Met Val Ala Leu Ala Ile Arg Gly Pro Leu His Phe Arg Arg
 50 55 60
 His Phe Arg Ile Asn Leu Ser Ile Ala Thr Lys Asn Ala *
 65 70 75 77

<210> 1494
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 1494
 Met Ala Gly Leu Asn Cys Gly Val Ser Ile Ala Leu Leu Gly Val Leu
 1 5 10 15
 Leu Leu Gly Ala Ala Arg Leu Pro Arg Gly Ala Glu Ala Phe Glu Ile
 20 25 30
 Ala Leu Pro Arg Glu Ser Asn Ile Thr Val Leu Ile Lys Leu Gly Thr
 35 40 45
 Pro Thr Leu Leu Ala Lys Pro Cys Tyr Ile Val Ile Ser Lys Arg His
 50 55 60
 Ile Thr Met Leu Ser Ile Lys Ser Gly Glu Arg Ile Val Phe Thr Phe
 65 70 75 80
 Ser Cys Gln Ser Pro Glu Asn His Phe Val Ile Glu Ile Gln Lys Asn
 85 90 95
 Ile Asp Cys Met Ser Gly Pro Cys Pro Phe Gly Glu Val Gln Leu Gln
 100 105 110
 Pro Ser Thr Ser Leu Leu Pro Thr Leu
 115 120 121

<210> 1495
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 1495

```

Met Glu Asn Cys Val Gly Glu Arg Thr His Pro Leu Phe Val Val Tyr
 1          5          10          15
Leu Ala Leu Gln Leu Val Val Leu Leu Trp Gly Leu Tyr Leu Ala Trp
          20          25          30
Ser Gly Leu Arg Phe Phe Gln Pro Trp Gly Leu Trp Leu Arg Ser Ser
          35          40          45
Gly Leu Leu Phe Ala Thr Phe Gln Leu Leu Ser Leu Phe Ser Leu Val
          50          55          60
Ala Ser Leu Leu Leu Val Ser His Leu Tyr Leu Val Ala Ser Asn Thr
          65          70          75          80
Thr Thr Trp Glu Phe Ile Ser Ser His His Val
          85          90  91

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<210> 1496

<211> 72

<212> PRT

<213> Homo sapiens

<400> 1496

```

Met Ile Glu Thr Trp Leu Trp Leu Leu Leu Leu Asn Val Gly Gly Thr
 1          5          10          15
Gly Gln Trp Ser Gly Pro Thr Phe Arg Arg Glu Asn Val Leu Pro Ala
          20          25          30
Ala His Ile Gly Pro Lys Tyr Gly Pro Leu Leu Pro Ser Thr Ala Lys
          35          40          45
Gly Thr Val Lys Val Ser Cys Pro Ser Ser Thr Pro His Pro Pro Leu
          50          55          60
Gln Gly Lys Gly Thr Pro Asp *
          65          70  71

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<210> 1497

<211> 196

<212> PRT

<213> Homo sapiens

<400> 1497

```

Met Ala Pro Arg Ala Leu Pro Gly Ser Ala Val Leu Ala Ala Ala Val
 1          5          10          15
Phe Val Gly Gly Ala Val Ser Ser Pro Leu Val Ala Pro Asp Asn Gly
          20          25          30
Ser Ser Arg Thr Leu His Ser Arg Thr Glu Thr Thr Pro Ser Pro Ser
          35          40          45
Asn Asp Thr Gly Asn Gly His Pro Glu Tyr Ile Ala Tyr Ala Leu Val
          50          55          60
Pro Val Phe Phe Ile Met Gly Leu Phe Gly Val Leu Ile Cys His Leu
          65          70          75          80
Leu Lys Lys Lys Gly Tyr Arg Cys Thr Thr Glu Ala Glu Gln Asp Ile
          85          90          95
Glu Glu Glu Lys Val Glu Lys Ile Glu Leu Asn Asp Ser Val Asn Glu
          100          105          110
Asn Ser Asp Thr Val Gly Gln Ile Val His Tyr Ile Met Lys Asn Glu
          115          120          125

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Ala Asn Ala Asp Val Leu Lys Ala Met Val Ala Asp Asn Ser Leu Tyr
 130 135 140
 Asp Pro Glu Ser Pro Val Thr Pro Ser Thr Pro Gly Glu Pro Ala Ser
 145 150 155 160
 Glu Ser Trp Ala Phe Val Thr Arg Gly Asp Ala Arg Glu Ala Arg Leu
 165 170 175
 Trp Pro Ser Ser Ala Tyr Gly Gly Arg Cys Cys Arg Glu Gly Cys Val
 180 185 190
 Ser Ser Val *

<210> 1498
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 1498
 Met Trp Ser Gln Ile Ala Phe Val Arg Ile Pro Phe Cys Phe Ser Leu
 1 5 10 15
 Leu Ser His Ser Asn Ala Trp Phe Val Gln Lys Ala Ala Ser Gln Arg
 20 25 30
 Gln Ala Ser Ile Ser Thr Ala Cys His Cys Pro Ala Glu Ala Gly Gly
 35 40 45
 Glu Arg Ile Thr Val Ser Thr Thr Gly Ala Gln Arg Asn Ala Ala Met
 50 55 60
 Val Pro Asp Leu Gln Ser Pro Arg Arg Ser *

<210> 1499
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 1499
 Met Pro Ser Leu Met Met Val Leu Glu Ala Arg Phe Val Ser Ser Cys
 1 5 10 15
 Leu Ile Phe Pro Ser Arg Ala Met Pro Leu Leu Ser Arg Leu Leu Ala
 20 25 30
 Ser Lys Gly Ser Ser Val Asn Val Leu Val Lys Val Leu Phe Gly Gly
 35 40 45
 Thr Phe Ser Cys Ala Ser Ser Ile Ala Thr Gly Leu Thr *

<210> 1500
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 1500
 Met Pro Ile Trp Lys Pro Phe Met Ala Trp Met Ala Ala Trp Ala Leu

```

      1           5           10           15
Ala Val Leu Ser Lys Leu Thr Lys Pro Ile His Leu Leu Trp Met Val
      20           25           30
Ala Arg Ser Ile Asn Thr Leu Glu Glu Met Ile Leu Pro Lys Gly Thr
      35           40           45
Asn Ile Cys Val Ser Ser Val Ser Pro Asn Ser Phe Ser Leu Leu Leu
      50           55           60
Leu Gln Glu Gly Arg Arg Leu Glu Asp Ala Val Arg Asp Gly Arg Asp
      65           70           75           80
Gly Arg Gly Gly Ala His Gly Cys Val Leu Leu Asp Ser Gly Glu Gly
      85           90           95
Arg Met Gln Cys Leu Gly His Ser Arg Ala Leu Ser Trp Val Trp His
      100          105          110
Lys Ala Ile Gly Ile Asp Glu Phe Pro Gly Gln Gly Ala His Leu Glu
      115          120          125
Arg Ala Arg His Leu Pro Ser His Trp *
      130          135          137

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<210> 1501
<211> 82
<212> PRT
<213> Homo sapiens

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      <400> 1501
Met Ile Leu Phe Thr Arg Ala Trp Phe Glu Leu Val Thr Leu Val Gln
      1           5           10           15
Phe Ile Ile Gly Ser Gln Met Leu Tyr Pro Tyr Leu His Ile Glu Glu
      20           25           30
Phe Val Ile Arg Lys Leu Pro Val Leu Leu Tyr Arg Lys Ser Val Ile
      35           40           45
Arg Tyr Gln Met Ala Ser Ser Pro Cys Leu Gln Met Phe Lys Gln Tyr
      50           55           60
Cys Gly Trp Ser Arg Lys Ser Leu Arg His Ala Val Lys Cys Arg Ala
      65           70           75           80
Arg *
      81

```

```

<210> 1502
<211> 54
<212> PRT
<213> Homo sapiens

```

```

      <400> 1502
Met Leu Leu Phe Leu Gly Phe Phe Ile Cys Ser Leu Phe Phe Ser Glu
      1           5           10           15
Leu Ser Thr Gly Thr Thr His Ser Leu Glu Ser Tyr Gln Ile Leu Leu
      20           25           30
Ser Lys Phe Phe Arg His Pro Leu Cys Thr Arg Thr Phe Arg Ile Leu
      35           40           45
Pro Pro Phe His Phe *
      50           53

```

<210> 1503
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 1503
 Met Gly Trp Pro Pro Ser Leu Trp Val Leu Ala Leu Ala Tyr Cys Cys
 1 5 10 15
 Lys Ala Pro Gln Arg Leu Cys Ser Gly Ser Ser Pro Cys Arg Phe Ser
 20 25 30
 Ser Arg Met Ser Ala Ser Pro Ala Thr Asn Arg Asn Glu Asn Thr Thr
 35 40 45
 Ser Trp Ile Ala Ser Leu His Lys Tyr Val Ile Ser Gln *
 50 55 60 61

<210> 1504
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1504
 Met Trp Lys Gln Ile Ser Pro Ile Gly Asn Leu Val Thr Ala Ile Phe
 1 5 10 15
 Phe Cys Val Leu Cys Gln Gln Arg Tyr Gln Trp Leu Ala Arg Asp Ala
 20 25 30
 Phe Asn Thr Gln Ser Ile Leu Ser Pro Pro Ile Trp Val *
 35 40 45

<210> 1505
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1505
 Met Val Ala Val Ser Leu Leu Cys Pro Trp Pro Ser Ser Trp Asn Arg
 1 5 10 15
 Arg Ser Cys Gly Arg Ser His Arg Asn Leu Gly Leu Phe Thr Ala Phe
 20 25 30
 Leu Ser Val Pro Glu Phe Val Ile Phe Gly Ala Cys Arg Tyr Trp *
 35 40 45 47

<210> 1506
 <211> 190
 <212> PRT
 <213> Homo sapiens

<400> 1506
 Met Trp Leu Leu Gly Pro Leu Cys Leu Leu Leu Ser Ser Ala Ala Glu


```

      1           5           10           15
Ser Gln Leu Leu Pro Gly Asn Asn Phe Thr Asn Glu Cys Asn Ile Pro
      20           25           30
Gly Asn Phe Val Cys Ser Asn Gly Arg Cys Ile Pro Gly Ala Trp Gln
      35           40           45
Cys Asp Gly Leu Pro Asp Cys Phe Asp Lys Ser Asp Glu Lys Glu Cys
      50           55           60
Pro Lys Ala Lys Ser Lys Cys Gly Pro Thr Phe Phe Pro Cys Ala Ser
      65           70           75           80
Gly Ile His Cys Ile Ile Gly Arg Phe Arg Cys Asn Gly Phe Glu Asp
      85           90           95
Cys Pro Asp Gly Ser Asp Glu Glu Asn Cys Thr Ala Asn Pro Leu Leu
      100          105          110
Cys Ser Thr Ala Arg Tyr His Cys Lys Asn Gly Leu Cys Ile Asp Lys
      115          120          125
Ser Phe Ile Cys Asp Gly Gln Asn Asn Cys Gln Asp Asn Ser Asp Glu
      130          135          140
Glu Ser Cys Glu Ser Ser Gln Val Phe Arg Pro Gln Val Ser Glu Trp
      145          150          155          160
Gln Ala Arg Pro Arg Asp Leu Cys Ala Arg Trp Asn Ile Pro Phe Leu
      165          170          175
Gly Arg Leu Glu Arg Pro Trp Ser Phe Thr Ser Ser Gln Gln
      180          185          190

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<210> 1507
 <211> 60
 <212> PRT
 <213> Homo sapiens

```

      <400> 1507
Met Tyr Arg Pro Ala Pro Pro Arg Gln Asn Arg Gln Leu His Pro Tyr
      1           5           10           15
Leu Leu Ala Ser Trp Pro Lys Ala Leu Asn Cys Thr Leu Cys Val Cys
      20           25           30
Val Cys Val Cys Ala Arg Val Cys Ala Cys Val Cys Met Trp Ser Val
      35           40           45
Thr Ser Leu Trp Leu Thr Cys Leu Ser Gly Val *
      50           55           59

```

<210> 1508
 <211> 48
 <212> PRT
 <213> Homo sapiens

```

      <400> 1508
Met Ser His His Cys Ala Trp Pro Lys Asn Phe Leu Leu Lys Met Leu
      1           5           10           15
Ser Thr Gly Arg Val Gln Trp Leu Met Pro Ile Ile Phe Leu Phe Phe
      20           25           30
Gln Lys Met Gly Gly Asn Met Val Gly Ser Gln Leu Lys Leu Ser *
      35           40           45           47

```

<210> 1509
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1509
 Met Thr Gly Ser Arg Cys Glu Glu His Val Phe Ser Gln Gln Gln Pro
 1 5 10 15
 Gly His Ile Ala Ser Ile Leu Ile Pro Leu Leu Leu Leu Leu Leu
 20 25 30
 Val Leu Ala Ala Gly Val Val Phe Trp Tyr Lys Arg Arg Val Gln Gly
 35 40 45
 Ala Lys Gly Phe His His Gln Arg Met Thr Asn Gly Ala Met Asn Val
 50 55 60
 Glu Ile Gly Asn Pro Thr Tyr Lys Met Tyr Glu Gly Gly Glu Pro Asp
 65 70 75 80
 Asp Val Gly Gly Leu
 85

<210> 1510
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1510
 Met Ala Ile Ser Trp Lys Pro Thr Gly Leu Pro Trp His Ser Met Leu
 1 5 10 15
 Gln Val Leu Leu Ala Ala Trp Leu Pro Gly Pro Thr Pro Thr Pro His
 20 25 30
 Ser Ala Leu Pro Ser Phe Ser Pro Pro Pro Ser Leu Pro Pro Lys Met
 35 40 45
 Cys Leu Pro Lys Cys Cys *
 50 54

<210> 1511
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 1511
 Met Val Gly Phe Gly Ala Asn Arg Arg Ala Gly Arg Leu Pro Ser Leu
 1 5 10 15
 Val Leu Gly Val Leu Leu Val Val Ile Val Val Leu Ala Phe Asn Tyr
 20 25 30
 Trp Ser Ile Ser Ser Arg His Val Leu Leu Gln Glu Glu Val Ala Glu
 35 40 45
 Leu Gln Gly Gln Val Gln Arg Thr Glu Val Ala Arg Gly Arg Leu Glu
 50 55 60
 Lys Arg Asn Ser Asp Leu Phe Ala Val Val Gly His Ala Gln Glu Thr
 65 70 75 80
 Asp Arg Pro Glu Gly Gly Arg Leu Arg Pro Pro Gln Gln Pro Ala Ala

Val Gly Gln Pro Thr Arg Tyr Glu Arg Gln Leu Ala Val Arg Pro Ser
 165 170 175
 Thr Pro His Thr Ile Thr Leu Gln Pro Ser Ser Phe Arg Asn Leu Arg
 180 185 190
 Leu Pro Lys Arg Leu Arg Val Val Tyr Phe Leu Ala Arg Thr Arg Leu
 195 200 205
 Ala Gln Arg Leu Ile Met Ala Gly Thr Val Val Trp Ile Gly Ile Leu
 210 215 220
 Val Tyr Thr Asp Pro Ala Gly Leu Arg Asn Tyr Leu Ala Ala Gln Val
 225 230 235 240
 Thr Glu Gln Ser Pro Leu Gly Glu Gly Ala Leu Ala Pro Met Pro Val
 245 250 255
 Pro Ser Gly Met Leu Pro Pro Ser His Pro Asp Pro Ala Phe Ser Ile
 260 265 270
 Phe Pro Pro Asp Ala Pro Lys Leu Pro Glu Asn Gln Thr Ser Pro Gly
 275 280 285
 Glu Ser Pro Glu Arg Gly Gly Pro Ala Glu Val Val His Asp Ser Pro
 290 295 300
 Val Pro Glu Val Thr Trp Gly Pro Glu Asp Glu Glu Leu Trp Arg Lys
 305 310 315 320
 Leu Ser Phe Arg His Trp Pro Thr Leu Phe Ser Tyr Tyr Asn Ile Thr
 325 330 335
 Leu Ala Lys Arg Tyr Ile Ser Leu Leu Pro Val Ile Pro Val Thr Leu
 340 345 350
 Arg Leu Asn Pro Arg Glu Ala Leu Glu Gly Arg His Pro Gln Asp Gly
 355 360 365
 Arg Ser Ala Trp Pro Pro Pro Gly Pro Ile Pro Ala Gly His Trp Glu
 370 375 380
 Ala Gly Pro Lys Gly Pro Gly Gly Val Gln Ala His Gly Asp Val Thr
 385 390 395 400
 Leu Tyr Lys Val Ala Ala Leu Gly Leu Ala Thr Gly Ile Val Leu Val
 405 410 415
 Leu Leu Leu Leu Cys Leu Tyr Arg Val Leu Cys Pro Arg Asn Tyr Gly
 420 425 430
 Gln Leu Gly Gly Gly Pro Gly Arg Arg Arg Gly Glu Leu Pro Cys
 435 440 445
 Asp Asp Tyr Gly Tyr Ala Pro Pro Glu Thr Glu Ile Val Pro Leu Val
 450 455 460
 Leu Arg Gly His Leu Met Asp Ile Glu Cys Leu Ala Ser Asp Gly Met
 465 470 475 480
 Leu Leu Val Ser Cys Cys Leu Ala Gly His Val Cys Val Trp Asp Ala
 485 490 495
 Gln Thr Gly Asp Cys Leu Thr Arg Ile Pro Arg Pro Gly Arg Gln Arg
 500 505 510
 Arg Asp Ser Gly Val Gly Ser Gly Leu Glu Ala Gln Glu Ser Trp Glu
 515 520 525
 Arg Leu Ser Asp Gly Gly Lys Ala Gly Pro Glu Glu Pro Gly Asp Ser
 530 535 540
 Pro Pro Leu Arg His Arg Pro Arg Gly Pro Pro Pro Ser Leu Phe
 545 550 555 560
 Gly Asp Gln Pro Asp Leu Thr Cys Leu Ile Asp Thr Asn Phe Ser Ala
 565 570 575
 Gln Pro Arg Ser Ser Gln Pro Thr Gln Pro Glu Pro Arg His Arg Ala
 580 585 590
 Val Cys Gly Arg Ser Arg Asp Ser Pro Gly Tyr Asp Phe Ser Cys Leu
 595 600 605
 Val Gln Arg Val Tyr Gln Glu Glu Gly Leu Ala Ala Val Cys Thr Pro
 610 615 620
 Ala Leu Arg Pro Pro Ser Pro Gly Pro Val Leu Ser Gln Ala Pro Glu

```

625          630          635          640
Asp Glu Gly Gly Ser Pro Glu Lys Gly Ser Pro Ser Leu Ala Trp Ala
          645          650          655
Pro Ser Ala Glu Gly Ser Ile Trp Ser Leu Glu Leu Gln Gly Asn Leu
          660          665          670
Ile Val Val Gly Arg Ser Ser Gly Arg Leu Glu Val Trp Asp Ala Ile
          675          680          685
Glu Gly Val Leu Cys Cys Ser Ser Glu Glu Val Ser Ser Gly Ile Thr
          690          695          700
Ala Leu Val Phe Leu Asp Lys Arg Ile Val Ala Ala Arg Leu Asn Gly
705          710          715          720
Ser Leu Asp Phe Phe Ser Leu Glu Thr His Thr Ala Leu Ser Pro Leu
          725          730          735
Gln Phe Arg Gly Thr Pro Gly Arg Gly Ser Ser Pro Ala Ser Pro Val
          740          745          750
Tyr Ser Ser Ser Asp Thr Val Ala Cys His Leu Thr His Thr Val Pro
          755          760          765
Cys Ala His Gln Lys Pro Ile Thr Ala Leu Lys Ala Ala Ala Gly Arg
          770          775          780
Leu Val Thr Gly Ser Gln Asp His Thr Leu Arg Val Phe Arg Leu Glu
785          790          795          800
Asp Ser Cys Cys Leu Phe Thr Leu Gln Gly His Ser Gly Ala Ile Thr
          805          810          815
Thr Val Tyr Ile Asp Gln Thr Met Val Leu Ala Ser Gly Gly Gln Asp
          820          825          830
Gly Ala Ile Cys Leu Trp Asp Val Leu Thr Gly Ser Arg Val Ser His
          835          840          845
Val Phe Ala His Arg Gly Asp Val Thr Ser Leu Thr Cys Thr Thr Ser
          850          855          860
Cys Val Ile Ser Ser Gly Leu Asp Asp Leu Ile Ser Ile Trp Asp Arg
865          870          875          880
Ser Thr Gly Ile Lys Phe Tyr Ser Ile Gln Gln Asp Leu Gly Cys Gly
          885          890          895
Ala Ser Leu Gly Val Ile Ser Asp Asn Leu Leu Val Thr Gly Gly Gln
          900          905          910
Gly Cys Val Ser Phe Trp Asp Leu Asn Tyr Gly Asp Leu Leu Gln Thr
          915          920          925
Val Tyr Leu Gly Lys Asn Ser Glu Ala Gln Pro Ala Arg Gln Ile Leu
930          935          940
Val Leu Asp Asn Ala Ala Ile Val Cys Asn Phe Gly Ser Glu Leu Ser
945          950          955          960
Leu Val Tyr Val Pro Ser Val Leu Glu Lys Leu Asp *
          965          970          972

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<210> 1514

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1514

```

Met Ile Ser Ser Trp Pro Phe Ser Arg Val Val Arg Phe Trp Phe Leu
1          5          10          15
His Gln Met Val Leu Asp Leu Cys Leu Gly Gln Gly Val Pro Gln Gln
          20          25          30
Asn Leu Glu Asn Pro Arg Glu Arg Lys Ser Phe Leu Leu Phe Val Arg
          35          40          45

```

Asn Leu Ile Ile Asp Ser Ser Leu Lys Ile Leu Ser Gln Glu Pro Ser
 50 55 60
 Asn Leu Trp Gln Arg Ile Pro Lys Met Met Thr Thr *
 65 70 75 76

<210> 1515
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 1515
 Met Leu Gly Ser Arg Leu Met Thr Leu Thr Val Cys Ala Gly Ala Leu
 1 5 10 15
 Ala Arg Gly Arg Gly Thr Gly Thr Cys Glu Thr Arg Gln Glu Gly Lys
 20 25 30
 Gly Gln Asn His Ser Thr Leu Ala Trp Pro His Glu Glu Pro Gly Ala
 35 40 45
 Ser Thr Gly Arg Asp Gly Gly Lys Leu Pro Arg Gly Gln Cys Leu Leu
 50 55 60
 Glu Lys Gly Pro Gly Gly Ala Gly Asp Lys Val Ser Lys Ile Phe Pro
 65 70 75 80
 Ser Cys Ala Leu Ala Leu Leu Leu Ser Leu Ala Asn Pro Gly Pro Arg
 85 90 95
 Gly Pro Arg Glu Phe His Leu Cys Trp Gly Trp Leu Asp Arg Gly Val
 100 105 110
 Thr Gln Glu Ala Val His Val Gly Glu Lys Arg Gly Gly Leu Gly Ser
 115 120 125
 Gly Arg Lys Gly Gly Trp Trp Pro Gly Trp Asp Pro Gly Cys Arg Asp
 130 135 140
 Val Ile Thr *
 145 147

<210> 1516
 <211> 274
 <212> PRT
 <213> Homo sapiens

<400> 1516
 Met Arg Gly Ser Gln Glu Val Leu Leu Met Trp Leu Leu Val Leu Ala
 1 5 10 15
 Val Gly Gly Thr Glu His Ala Tyr Arg Pro Gly Arg Arg Val Cys Ala
 20 25 30
 Val Arg Ala His Gly Asp Pro Val Ser Glu Ser Phe Val Gln Arg Val
 35 40 45
 Tyr Gln Pro Phe Leu Thr Thr Cys Asp Gly His Arg Ala Cys Ser Thr
 50 55 60
 Tyr Arg Thr Ile Tyr Arg Thr Ala Tyr Arg Arg Ser Pro Gly Leu Ala
 65 70 75 80
 Pro Ala Arg Pro Arg Tyr Ala Cys Cys Pro Gly Trp Lys Arg Thr Ser
 85 90 95
 Gly Leu Pro Gly Ala Cys Gly Ala Ala Ile Cys Gln Pro Pro Cys Arg
 100 105 110
 Asn Gly Gly Ser Cys Val Gln Pro Gly Arg Cys Arg Cys Pro Ala Gly

[illegible]

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<210> 1517
<211> 246
<212> PRT
<213> Homo sapiens
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<400> 1517															
Met	Thr	Leu	Phe	Pro	Val	Leu	Leu	Phe	Leu	Val	Ala	Gly	Leu	Leu	Pro
1				5					10					15	
Ser	Phe	Pro	Ala	Asn	Glu	Asp	Lys	Asp	Pro	Ala	Phe	Thr	Ala	Leu	Leu
			20					25					30		
Thr	Thr	Gln	Thr	Gln	Val	Gln	Arg	Glu	Ile	Val	Asn	Lys	His	Asn	Glu
		35					40					45			
Leu	Arg	Arg	Ala	Val	Ser	Pro	Pro	Ala	Arg	Asn	Met	Leu	Lys	Met	Glu
	50					55					60				
Trp	Asn	Lys	Glu	Ala	Ala	Ala	Asn	Ala	Gln	Lys	Trp	Ala	Asn	Gln	Cys
65					70					75					80
Asn	Tyr	Arg	His	Ser	Asn	Pro	Lys	Asp	Arg	Met	Thr	Ser	Leu	Lys	Cys
				85					90					95	
Gly	Glu	Asn	Leu	Tyr	Met	Ser	Ser	Ala	Ser	Ser	Ser	Trp	Ser	Gln	Ala
			100					105					110		
Ile	Gln	Ser	Trp	Phe	Asp	Glu	Tyr	Asn	Asp	Phe	Asp	Phe	Gly	Val	Gly
		115					120					125			
Pro	Lys	Thr	Pro	Asn	Ala	Val	Val	Gly	His	Tyr	Thr	Gln	Val	Val	Trp
	130					135					140				
Tyr	Ser	Ser	Tyr	Leu	Val	Gly	Cys	Gly	Asn	Ala	Tyr	Cys	Pro	Asn	Gln
145					150					155					160
Lys	Val	Leu	Lys	Tyr	Tyr	Tyr	Val	Cys	Gln	Tyr	Cys	Pro	Ala	Gly	Asn
				165					170					175	
Trp	Ala	Asn	Arg	Leu	Tyr	Val	Pro	Tyr	Glu	Gln	Gly	Ala	Pro	Cys	Ala
		180						185					190		
Ser	Cys	Pro	Asp	Asn	Cys	Asp	Asp	Gly	Leu	Cys	Thr	Asn	Gly	Cys	Lys
		195					200					205			
Tyr	Glu	Asp	Leu	Tyr	Ser	Asn	Cys	Lys	Ser	Leu	Lys	Leu	Thr	Leu	Thr
	210					215					220				

Cys Lys His Gln Leu Val Arg Asp Ser Cys Lys Ala Ser Cys Asn Cys
 225 230 235 240
 Ser Asn Ser Ile Tyr *
 245

<210> 1518
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 1518
 Met Arg Asn Arg Arg Thr Glu Arg Thr Cys Thr Pro Pro Leu Ala Ser
 1 5 10 15
 Pro Tyr Asn Leu Val Pro His Leu Gln Asn Leu Leu Ala Val Leu Leu
 20 25 30
 Met Ile Leu Val Leu Thr Pro Met Val Leu Asn Pro His Lys Leu Tyr
 35 40 45
 Gln Met Met Thr Gln Asn Ile Leu Leu Gln Lys Pro Gln Lys Asn Phe
 50 55 60
 Ile Trp Thr Ala Leu Lys Gly Asn Leu Ser Tyr Pro Arg Asn Leu Leu
 65 70 75 80
 Leu Gln Ser His Leu Ser Leu Leu Leu His Ser Leu Leu Leu Glu Leu
 85 90 95
 Asn Gln Arg Val Cys Leu Leu Pro Arg Ser Leu Ile Asp Pro Gly Lys
 100 105 110
 Arg Leu Lys Lys Lys Pro Met Glu Thr Phe
 115 120 122

<210> 1519
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 1519
 Met Gly Leu Ser Ile Phe Leu Leu Leu Cys Val Leu Gly Leu Ser Gln
 1 5 10 15
 Ala Ala Thr Pro Lys Ile Phe Asn Gly Thr Glu Cys Gly Arg Asn Ser
 20 25 30
 Gln Pro Trp Gln Val Gly Leu Phe Glu Gly Thr Ser Leu Arg Cys Gly
 35 40 45
 Gly Val Leu Ile Asp His Arg Trp Val Leu Thr Ala Ala His Cys Ser
 50 55 60
 Gly Ser Arg Tyr Trp Val Arg Leu Gly Glu His Ser Leu Ser Gln Leu
 65 70 75 80
 Asp Trp Thr Glu Gln Ile Arg His Ser Gly Phe Ser Val Thr His Pro
 85 90 95
 Gly Tyr Leu Gly Ala Ser Thr Ser His Glu His Asp Leu Arg Leu Leu
 100 105 110
 Arg Leu Arg Leu Pro Val Arg Val Thr Ser Ser Val Gln Pro Leu Pro
 115 120 125
 Leu Pro Asn Asp Cys Ala Thr Ala Gly Thr Glu Cys His Val Ser Gly
 130 135 140
 Trp Gly Ile Thr Asn His Pro Arg Asn Pro Phe Pro Asp Leu Leu Gln

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145          150          155          160
Cys Leu Asn Leu Ser Ile Val Ser His Ala Thr Cys His Gly Val Tyr
          165          170          175
Pro Gly Arg Ile Thr Ser Asn Met Val Cys Ala Gly Gly Val Pro Gly
          180          185          190
Gln Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly
          195          200          205
Val Leu Gln Gly Leu Val Ser Trp Gly Ser Val Gly Pro Cys Gly Gln
          210          215          220
Asp Gly Ile Pro Gly Val Tyr Thr Tyr Ile Cys Lys Tyr Val Asp Trp
225          230          235          240
Ile Arg Met Ile Met Arg Asn Asn *
          245          248

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<210> 1520
<211> 292
<212> PRT
<213> Homo sapiens

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<400> 1520
Met Leu Val Leu Gln Ile Leu Leu Cys Ile Arg Glu Phe Ile Leu Glu
1          5          10          15
Arg Ser Leu Ile Asn Val Lys Asn Val Ala Lys Ser Leu Ala Val Val
          20          25          30
Leu Ala Leu Leu Asn Ile Gly Lys Phe Ile Leu Glu Lys Ile Phe Thr
          35          40          45
Asn Ala Lys Tyr Val Leu Asn Leu Leu Leu Val Ser Gln Ile Leu Leu
          50          55          60
Cys Met Arg Glu Phe Ile Leu Glu Arg Asn Pro Ile Asn Val Lys Asn
          65          70          75          80
Val Ala Lys Pro Phe Leu Ile Val His Thr Leu Phe Asp Ile Ile Glu
          85          90          95
Phe Ile Leu Glu Lys Asn His Thr Asn Val Lys His Val Ala Asn Leu
          100          105          110
Leu Val Thr Pro Gln Val Leu Leu Cys Ile Gly Glu Leu Ile Leu Glu
          115          120          125
Arg Asn Pro Ile His Val Lys Asn Val Ala Lys Pro Leu Val Ile Val
          130          135          140
Gln Met Leu Phe Ser Ile Gly Glu Phe Ile Leu Ala Arg Asp Pro Thr
145          150          155          160
Asn Val Lys Asn Val Ala Lys Pro Ser Thr Ile Gly His Thr Ser Leu
          165          170          175
His Ile Lys Glu Val Ile Leu Glu Arg Asp Pro Thr Asn Val Lys Asn
          180          185          190
Val Ala Lys Pro Ser Thr Leu Gly His Thr Ser Leu His Ile Gly Glu
          195          200          205
Asp Ile Leu Glu Arg Asp Pro Thr Asn Val Met Asn Val Val Lys Pro
          210          215          220
Ser Ala Ile Gly His Thr Ser Leu His Ile Gly Glu Val Ile Val Glu
225          230          235          240
Arg Asp Pro Thr Asn Val Lys Asn Val Ala Lys Pro Leu Thr Leu Gly
          245          250          255
His Thr Ser Leu His Ile Arg Glu Val Ile Leu Glu Lys Asn Phe Lys
          260          265          270
Asn Val Lys His Gly Ala Asp Phe Leu Leu Val Thr His Val Leu Leu
          275          280          285

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Cys Ile Arg *
290 291

<210> 1521
<211> 129
<212> PRT
<213> Homo sapiens

<400> 1521
Met Gly Ser Thr Ala Ile Leu Ala Leu Leu Leu Ala Val Leu Gln Gly
1 5 10 15
Val Cys Ala Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys
20 25 30
Pro Gly Glu Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe
35 40 45
Thr Ser Tyr Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu
50 55 60
Glu Trp Met Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser
65 70 75 80
Pro Ser Phe Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser
85 90 95
Thr Ala Tyr Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met
100 105 110
Tyr Tyr Cys Ala Arg His Thr Val Arg Glu Thr Ser Pro Glu Pro Val
115 120 125 128
*

<210> 1522
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1522
Met Val Val Val Leu Pro Cys Phe Ala Val Leu Lys Leu Leu Phe Gly
1 5 10 15
Gln Ser Lys Leu Gly Pro Met Gln Pro Ser Gln Ser Gly Leu Asp Pro
20 25 30
Val Gly Ala Gly Met Ser Ala Ser Ile Ala Asp Gly Ser Arg Ala Thr
35 40 45
Ala Asp Lys Ala Val Leu Leu Asp Pro Thr Ser Leu Leu Leu Glu Tyr
50 55 60
Thr *
65

<210> 1523
<211> 131
<212> PRT
<213> Homo sapiens

<400> 1523

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Met Ile Leu Leu Ala Phe Leu Val Cys Trp Gly Pro Leu Phe Gly Leu
 1           5           10           15
Leu Leu Ala Asp Val Phe Gly Ser Asn Leu Trp Ala Gln Glu Tyr Leu
           20           25           30
Arg Gly Met Asp Trp Ile Leu Ala Leu Ala Val Leu Asn Ser Ala Val
           35           40           45
Asn Pro Ile Ile Tyr Ser Phe Arg Ser Arg Glu Val Cys Arg Ala Val
           50           55           60
Leu Ser Phe Leu Cys Cys Gly Cys Leu Arg Leu Gly Met Arg Gly Pro
           65           70           75           80
Gly Asp Cys Leu Ala Arg Ala Val Glu Ala His Ser Gly Ala Ser Thr
           85           90           95
Thr Asp Ser Ser Leu Arg Pro Arg Asp Ser Phe Arg Gly Ser Arg Ser
           100          105          110
Leu Ser Phe Arg Met Arg Glu Pro Leu Ser Ser Ile Ser Ser Val Arg
           115          120          125
Ser Ile *
           130

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<210> 1524

<211> 52

<212> PRT

<213> Homo sapiens

<400> 1524

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Met Lys Phe Phe Val Phe Ala Leu Ile Leu Ala Leu Met Leu Ser Met
 1           5           10           15
Thr Gly Ala Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys
           20           25           30
Phe His Glu Lys His His Ser His Arg Gly Tyr Arg Ser Asn Tyr Leu
           35           40           45
Tyr Asp Asn *
           50           51

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<210> 1525

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1525

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Met Thr Leu Phe Pro Val Leu Leu Phe Leu Val Ala Gly Leu Leu Pro
 1           5           10           15
Ser Phe Pro Ala Asn Glu Asp Lys Asp Pro Ala Phe Thr Ala Leu Leu
           20           25           30
Thr Thr Gln Thr Gln Val Gln Arg Glu Ile Val Asn Lys His Asn Glu
           35           40           45
Leu Arg Arg Ala Val Ser Pro Pro Ala Arg Asn Met Leu Lys Met Glu
           50           55           60
Trp Asn Lys Glu Ala Ala Ala Asn Ala Gln Lys Trp Ala Asn Gln Cys
           65           70           75           80
Asn Tyr Arg His Ser Asn Pro Lys Asp Arg Met Thr Ser Leu Lys Cys
           85           90           95

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Gly Glu Asn Leu Tyr Met Ser Ser Ala Ser Ser Ser Trp Ser Gln Ala
 100 105 110
 Ile Gln Ser Trp Phe Asp Glu Tyr Asn Asp Phe Asp Phe Gly Val Gly
 115 120 125
 Pro Lys Thr Pro Asn Ala Val Val Gly His Tyr Thr Gln Val Val Trp
 130 135 140
 Tyr Ser Ser Tyr Leu Val Gly Cys Gly Asn Ala Tyr Cys Pro Asn Gln
 145 150 155 160
 Lys Val Leu Lys Tyr Tyr Tyr Val Cys Gln Tyr Cys Pro Ala Gly Asn
 165 170 175
 Trp Ala Asn Arg Leu Tyr Val Pro Tyr Glu Gln Gly Ala Pro Cys Ala
 180 185 190
 Ser Cys Pro Asp Asn Cys Asp Asp Gly Leu Cys Thr Asn Gly Cys Lys
 195 200 205
 Tyr Glu Asp Leu Tyr Ser Asn Cys Lys Ser Leu Lys Leu Thr Leu Thr
 210 215 220
 Cys Lys His Gln Leu Val Arg Asp Ser Cys Lys Ala Ser Cys Asn Cys
 225 230 235 240
 Ser Asn Ser Ile Tyr *
 245

<210> 1526
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1526
 Met Val Leu Gly Ala Arg Ala Val Ile Ser Phe Cys Ile Leu Ser Ala
 1 5 10 15
 Met Pro Gly Tyr Met Val Val Pro Pro Glu Arg Thr Leu Leu Ala Tyr
 20 25 30
 Lys Ser Leu Arg Met Ser Met Ser His Phe Met Met Glu Leu *
 35 40 45 46

<210> 1527
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 1527
 Met Ser Ala Arg Gly Trp Pro Cys Glu Ala Phe Val Leu Ala Gln Val
 1 5 10 15
 Cys Trp Cys Trp Leu Cys Val Arg Gly Arg Leu Cys Glu Ala Leu Thr
 20 25 30
 Leu Ala Gln Val Arg Arg His Gln Val Cys Val Pro Gly Gln Pro Cys
 35 40 45
 Glu Ala Leu Thr Leu Thr Gln Val Arg Arg His Gln Leu Cys Val Trp
 50 55 60
 Gly Arg Pro Cys Glu Ala Leu Thr Leu Ala Gln Val Cys Trp Leu Trp
 65 70 75 80
 Leu Cys Val Gln Gly Trp Pro His Glu Ala Leu Thr Leu Ala Gln Val
 85 90 95
 Arg Gln His Gln Val Cys Val Arg Gly Arg Pro Cys Glu Ala Leu Ser

100 105 110
 Leu Ala Gln Val Arg *
 115 117

<210> 1528
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1528
 Met Lys Val Ser Ala Ala Ala Leu Ala Val Ile Leu Ile Ala Thr Ala
 1 5 10 15
 Leu Cys Ala Pro Ala Ser Ala Ser Pro Tyr Ser Ser Asp Thr Thr Pro
 20 25 30
 Cys Cys Phe Ala Tyr Ile Ala Arg Pro Leu Pro Arg Ala His Ile Lys
 35 40 45
 Glu Tyr Phe Tyr Thr Ser Gly Lys Cys Ser Asn Pro Ala Val Val Phe
 50 55 60
 Val Thr Arg Lys Asn Arg Gln Val Cys Ala Asn Pro Glu Lys Lys Trp
 65 70 75 80
 Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser *
 85 90 91

<210> 1529
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1529
 Met Tyr Cys Trp Trp Cys Trp Leu Cys Thr Ala Met Val Cys Ser Gly
 1 5 10 15
 Val Leu Cys Arg Pro Leu Trp Glu Pro Leu Ser Pro Arg Leu Ser Val
 20 25 30
 Phe Trp Ala Gly Arg Tyr Leu Gly Phe Trp Cys Met Gly Cys Cys Arg
 35 40 45
 Met Ala Met Tyr Cys Val Ser Ser Cys Ser Arg Phe Ser Gly Glu Ser
 50 55 60
 Gly Phe Arg Arg Ile Pro *
 65 70

<210> 1530
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1530
 Met Val Leu Arg Val Cys Phe Leu Ile Phe Val Leu Tyr His Asn Leu
 1 5 10 15
 Gly Lys Tyr Ile Phe Ile Ile Tyr Val Tyr Arg Cys Lys Asp Arg Phe
 20 25 30

Thr Lys Gly Cys Ile Thr Val Val Gln Gln Ser Gly Ile Leu Thr Glu
 35 40 45
 Leu Lys Gly Gln Gly Ser Phe Leu Tyr Val Leu Leu Cys Leu Asp Ile
 50 55 60
 Thr Leu Leu Val Arg Ser Val Phe Lys Asn Asp Asn Ser Arg Phe Asp
 65 70 75 80
 Phe Gln Ala Asn *

84

<210> 1531
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 1531
 Met Leu Pro Gln Val Phe Leu Gly Phe Thr Lys Val Arg Leu Leu Arg
 1 5 10 15
 Leu Arg Asn Pro Trp Gly Cys Val Glu Trp Thr Gly Ala Trp Ser Asp
 20 25 30
 Arg Trp Asp Gly Ser Gly Val Gly Val Gly Leu Asp Pro Thr Cys Pro
 35 40 45
 Pro Leu Thr Pro Gln Ser Leu Gln Leu Pro Thr Leu
 50 55 60

<210> 1532
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1532
 Met Leu Gly Leu His Gln Leu Cys Ser Leu Leu Val Gln Leu Asp Phe
 1 5 10 15
 Tyr Leu Gln Tyr Leu Tyr Gly Gln Phe Gln Gln Phe Ser Met Cys Leu
 20 25 30
 Asp Leu Asn His Val His Phe Leu Met Phe Pro Ser Leu Val Cys Ala
 35 40 45
 Met Phe Arg Phe *

<210> 1533
 <211> 741
 <212> PRT
 <213> Homo sapiens

<400> 1533
 Met Ala Glu Ser Arg Gly Arg Leu Tyr Leu Trp Met Cys Leu Ala Ala
 1 5 10 15
 Ala Leu Ala Ser Phe Leu Met Gly Phe Met Val Gly Trp Phe Ile Lys
 20 25 30
 Pro Leu Lys Glu Thr Thr Thr Ser Val Arg Tyr His Gln Ser Ile Arg

		35					40				45					
Trp	Lys	Leu	Val	Ser	Glu	Met	Lys	Ala	Glu	Asn	Ile	Lys	Ser	Phe	Leu	
	50					55					60					
Arg	Ser	Phe	Thr	Lys	Leu	Pro	His	Leu	Ala	Gly	Thr	Glu	Gln	Asn	Phe	
	65				70					75					80	
Leu	Leu	Ala	Lys	Lys	Ile	Gln	Thr	Gln	Trp	Lys	Lys	Phe	Gly	Leu	Asp	
				85					90					95		
Ser	Ala	Lys	Leu	Val	His	Tyr	Asp	Val	Leu	Leu	Ser	Tyr	Pro	Asn	Glu	
			100					105					110			
Thr	Asn	Ala	Asn	Tyr	Ile	Ser	Ile	Val	Asp	Glu	His	Glu	Thr	Glu	Ile	
		115					120					125				
Phe	Lys	Thr	Ser	Tyr	Leu	Glu	Pro	Pro	Pro	Asp	Gly	Tyr	Glu	Asn	Val	
	130					135					140					
Thr	Asn	Ile	Val	Pro	Pro	Tyr	Asn	Ala	Phe	Ser	Ala	Gln	Gly	Met	Pro	
145					150					155					160	
Glu	Gly	Asp	Leu	Val	Tyr	Val	Asn	Tyr	Ala	Arg	Thr	Glu	Asp	Phe	Phe	
				165				170						175		
Lys	Leu	Glu	Arg	Glu	Met	Gly	Ile	Asn	Cys	Thr	Gly	Lys	Ile	Val	Ile	
			180					185					190			
Ala	Arg	Tyr	Gly	Lys	Ile	Phe	Arg	Gly	Asn	Lys	Val	Lys	Asn	Ala	Met	
		195					200					205				
Leu	Ala	Gly	Ala	Ile	Gly	Ile	Ile	Leu	Tyr	Ser	Asp	Pro	Ala	Asp	Tyr	
	210					215					220					
Phe	Ala	Pro	Glu	Val	Gln	Pro	Tyr	Pro	Lys	Gly	Trp	Asn	Leu	Pro	Gly	
225					230					235					240	
Thr	Ala	Ala	Gln	Arg	Gly	Asn	Val	Leu	Asn	Leu	Asn	Gly	Ala	Gly	Asp	
				245					250					255		
Pro	Leu	Thr	Pro	Gly	Tyr	Pro	Ala	Lys	Glu	Tyr	Thr	Phe	Arg	Leu	Asp	
			260					265					270			
Val	Glu	Glu	Gly	Val	Gly	Ile	Pro	Arg	Ile	Pro	Val	His	Pro	Ile	Gly	
		275					280					285				
Tyr	Asn	Asp	Ala	Glu	Ile	Leu	Leu	Arg	Tyr	Leu	Gly	Gly	Ile	Ala	Pro	
	290					295					300					
Pro	Asp	Lys	Ser	Trp	Lys	Gly	Ala	Leu	Asn	Val	Ser	Tyr	Ser	Ile	Gly	
305					310					315					320	
Pro	Gly	Phe	Thr	Gly	Ser	Asp	Ser	Phe	Arg	Lys	Val	Arg	Met	His	Val	
				325					330					335		
Tyr	Asn	Ile	Asn	Lys	Ile	Thr	Arg	Ile	Tyr	Asn	Val	Val	Gly	Thr	Ile	
			340					345					350			
Arg	Gly	Ser	Val	Glu	Pro	Asp	Arg	Tyr	Val	Ile	Leu	Gly	Gly	His	Arg	
		355				360						365				
Asp	Ser	Trp	Val	Phe	Gly	Ala	Ile	Asp	Pro	Thr	Ser	Gly	Val	Ala	Val	
	370					375										

Ala Tyr Phe Gln Arg Leu Gly Ile Ala Ser Gly Arg Ala Arg Tyr Thr
 515 520 525
 Lys Asn Lys Lys Thr Asp Lys Tyr Ser Ser Tyr Pro Val Tyr His Thr
 530 535 540
 Ile Tyr Glu Thr Phe Glu Leu Val Glu Lys Phe Tyr Asp Pro Thr Phe
 545 550 555 560
 Lys Lys Gln Leu Ser Val Ala Gln Leu Arg Gly Ala Leu Val Tyr Glu
 565 570 575
 Leu Val Asp Ser Lys Ile Ile Pro Phe Asn Ile Gln Asp Tyr Ala Glu
 580 585 590
 Ala Leu Lys Asn Tyr Ala Ala Ser Ile Tyr Asn Leu Ser Lys Lys His
 595 600 605
 Asp Gln Gln Leu Thr Asp His Gly Val Ser Phe Asp Ser Leu Phe Ser
 610 615 620
 Ala Val Lys Asn Phe Ser Glu Ala Ala Ser Asp Phe His Lys Arg Leu
 625 630 635 640
 Ile Gln Val Asp Leu Asn Asn Pro Ile Ala Val Arg Met Met Asn Asp
 645 650 655
 Gln Leu Met Leu Leu Glu Arg Ala Phe Ile Asp Pro Leu Gly Leu Pro
 660 665 670
 Gly Lys Leu Phe Tyr Arg His Ile Ile Phe Ala Pro Ser Ser His Asn
 675 680 685
 Lys Tyr Ala Gly Glu Ser Phe Pro Gly Ile Tyr Asp Ala Ile Phe Asp
 690 695 700
 Ile Glu Asn Lys Ala Asn Ser Arg Leu Ala Trp Lys Glu Val Lys Lys
 705 710 715 720
 His Ile Ser Ile Ala Ala Phe Thr Ile Gln Ala Ala Ala Gly Thr Leu
 725 730 735
 Lys Glu Val Leu *
 740

<210> 1534
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1534
 Met Leu Ile Leu Leu His Ile Leu Lys Asn Ile Lys Leu Tyr Leu Val
 1 5 10 15
 Asn Met Leu Lys Thr Lys Leu Cys Phe Tyr Lys Asp Arg Gly Ser Pro
 20 25 30
 Glu Glu Gly Ile Asp Lys Glu Glu Met Lys Leu Gly Gly Arg Lys Trp
 35 40 45
 Thr *
 49

<210> 1535
 <211> 973
 <212> PRT
 <213> Homo sapiens

<400> 1535
 Met Val Lys Ser Lys Trp Gly Leu Ala Leu Ala Ala Val Val Thr Val

1	5	10	15
Leu Ser Ser Leu Leu Met Ser Val Gly Leu Cys Thr Leu Phe Gly Leu			
20	25	30	
Thr Pro Thr Leu Asn Gly Gly Glu Ile Phe Pro Tyr Leu Val Val Val			
35	40	45	
Ile Gly Leu Glu Asn Val Leu Val Leu Thr Lys Ser Val Val Ser Thr			
50	55	60	
Pro Val Asp Leu Glu Val Lys Leu Arg Ile Ala Gln Gly Leu Ser Ser			
65	70	75	80
Glu Ser Trp Ser Ile Met Lys Asn Met Ala Thr Glu Leu Gly Ile Ile			
85	90	95	
Leu Ile Gly Tyr Phe Thr Leu Val Pro Ala Ile Gln Glu Phe Cys Leu			
100	105	110	
Phe Ala Val Val Gly Leu Val Ser Asp Phe Phe Leu Gln Met Leu Phe			
115	120	125	
Phe Thr Thr Val Leu Ser Ile Asp Ile Arg Arg Met Glu Leu Ala Asp			
130	135	140	
Leu Asn Lys Arg Leu Pro Pro Glu Ala Cys Leu Pro Ser Ala Lys Pro			
145	150	155	160
Val Gly Gln Pro Thr Arg Tyr Glu Arg Gln Leu Ala Val Arg Pro Ser			
165	170	175	
Thr Pro His Thr Ile Thr Leu Gln Pro Ser Ser Phe Arg Asn Leu Arg			
180	185	190	
Leu Pro Lys Arg Leu Arg Val Val Tyr Phe Leu Ala Arg Thr Arg Leu			
195	200	205	
Ala Gln Arg Leu Ile Met Ala Gly Thr Val Val Trp Ile Gly Ile Leu			
210	215	220	
Val Tyr Thr Asp Pro Ala Gly Leu Arg Asn Tyr Leu Ala Ala Gln Val			
225	230	235	240
Thr Glu Gln Ser Pro Leu Gly Glu Gly Ala Leu Ala Pro Met Pro Val			
245	250	255	
Pro Ser Gly Met Leu Pro Pro Ser His Pro Asp Pro Ala Phe Ser Ile			
260	265	270	
Phe Pro Pro Asp Ala Pro Lys Leu Pro Glu Asn Gln Thr Ser Pro Gly			
275	280	285	
Glu Ser Pro Glu Arg Gly Gly Pro Ala Glu Val Val His Asp Ser Pro			
290	295	300	
Val Pro Glu Val Thr Trp Gly Pro Glu Asp Glu Glu Leu Trp Arg Lys			
305	310	315	320
Leu Ser Phe Arg His Trp Pro Thr Leu Phe Ser Tyr Tyr Asn Ile Thr			
325	330	335	
Leu Ala Lys Arg Tyr Ile Ser Leu Leu Pro Val Ile Pro Val Thr Leu			
340	345	350	
Arg Leu Asn Pro Arg Glu Ala Leu Glu Gly Arg His Pro Gln Asp Gly			
355	360	365	
Arg Ser Ala Trp Pro Pro Pro Gly Pro Ile Pro Ala Gly His Trp Glu			
370	375	380	
Ala Gly Pro Lys Gly Pro Gly Gly Val Gln Ala His Gly Asp Val Thr			
385	390	395	400
Leu Tyr Lys Val Ala Ala Leu Gly Leu Ala Thr Gly Ile Val Leu Val			
405	410	415	
Leu Leu Leu Leu Cys Leu Tyr Arg Val Leu Cys Pro Arg Asn Tyr Gly			
420	425	430	
Gln Leu Gly Gly Gly Pro Gly Arg Arg Arg Arg Gly Glu Leu Pro Cys			
435	440	445	
Asp Asp Tyr Gly Tyr Ala Pro Pro Glu Thr Glu Ile Val Pro Leu Val			
450	455	460	
Leu Arg Gly His Leu Met Asp Ile Glu Cys Leu Ala Ser Asp Gly Met			
465	470	475	480

Leu Leu Val Ser Cys Cys Leu Ala Gly His Val Cys Val Trp Asp Ala
 485 490 495
 Gln Thr Gly Asp Cys Leu Thr Arg Ile Pro Arg Pro Gly Arg Gln Arg
 500 505 510
 Arg Asp Ser Gly Val Gly Ser Gly Leu Glu Ala Gln Glu Ser Trp Glu
 515 520 525
 Arg Leu Ser Asp Gly Gly Lys Ala Gly Pro Glu Glu Pro Gly Asp Ser
 530 535 540
 Pro Pro Leu Arg His Arg Pro Arg Gly Pro Pro Pro Pro Ser Leu Phe
 545 550 555 560
 Gly Asp Gln Pro Asp Leu Thr Cys Leu Ile Asp Thr Asn Phe Ser Ala
 565 570 575
 Gln Pro Arg Ser Ser Gln Pro Thr Gln Pro Glu Pro Arg His Arg Ala
 580 585 590
 Val Cys Gly Arg Ser Arg Asp Ser Pro Gly Tyr Asp Phe Ser Cys Leu
 595 600 605
 Val Gln Arg Val Tyr Gln Glu Glu Gly Leu Ala Ala Val Cys Thr Pro
 610 615 620
 Ala Leu Arg Pro Pro Ser Pro Gly Pro Val Leu Ser Gln Ala Pro Glu
 625 630 635 640
 Asp Glu Gly Gly Ser Pro Glu Lys Gly Ser Pro Ser Leu Ala Trp Ala
 645 650 655
 Pro Ser Ala Glu Gly Ser Ile Trp Ser Leu Glu Leu Gln Gly Asn Leu
 660 665 670
 Ile Val Val Gly Arg Ser Ser Gly Arg Leu Glu Val Trp Asp Ala Ile
 675 680 685
 Glu Gly Val Leu Cys Cys Ser Ser Glu Glu Val Ser Ser Gly Ile Thr
 690 695 700
 Ala Leu Val Phe Leu Asp Lys Arg Ile Val Ala Ala Arg Leu Asn Gly
 705 710 715 720
 Ser Leu Asp Phe Phe Ser Leu Glu Thr His Thr Ala Leu Ser Pro Leu
 725 730 735
 Gln Phe Arg Gly Thr Pro Gly Arg Gly Ser Ser Pro Ala Ser Pro Val
 740 745 750
 Tyr Ser Ser Ser Asp Thr Val Ala Cys His Leu Thr His Thr Val Pro
 755 760 765
 Cys Ala His Gln Lys Pro Ile Thr Ala Leu Lys Ala Ala Ala Gly Arg
 770 775 780
 Leu Val Thr Gly Ser Gln Asp His Thr Leu Arg Val Phe Arg Leu Glu
 785 790 795 800
 Asp Ser Cys Cys Leu Phe Thr Leu Gln Gly His Ser Gly Ala Ile Thr
 805 810 815
 Thr Val Tyr Ile Asp Gln Thr Met Val Leu Ala Ser Gly Gly Gln Asp
 820 825 830
 Gly Ala Ile Cys Leu Trp Asp Val Leu Thr Gly Ser Arg Val Ser His
 835 840 845
 Val Phe Ala His Arg Gly Asp Val Thr Ser Leu Thr Cys Thr Thr Ser
 850 855 860
 Cys Val Ile Ser Ser Gly Leu Asp Asp Leu Ile Ser Ile Trp Asp Arg
 865 870 875 880
 Ser Thr Gly Ile Lys Phe Tyr Ser Ile Gln Gln Asp Leu Gly Cys Gly
 885 890 895
 Ala Ser Leu Gly Val Ile Ser Asp Asn Leu Leu Val Thr Gly Gly Gln
 900 905 910
 Gly Cys Val Ser Phe Trp Asp Leu Asn Tyr Gly Asp Leu Leu Gln Thr
 915 920 925
 Val Tyr Leu Gly Lys Asn Ser Glu Ala Gln Pro Ala Arg Gln Ile Leu
 930 935 940
 Val Leu Asp Asn Ala Ala Ile Val Cys Asn Phe Gly Ser Glu Leu Ser

945					950					955				960
Leu	Val	Tyr	Val	Pro	Ser	Val	Leu	Glu	Lys	Leu	Asp	*		
				965					970		972			

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<210> 1536
<211> 75
<212> PRT
<213> Homo sapiens
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<400> 1536															
Met	Cys	Leu	Leu	Lys	Ala	Ala	Pro	Phe	Phe	Phe	Phe	Tyr	Val	Pro	Gln
1				5					10					15	
Val	Gly	Lys	Gly	Asn	Pro	Arg	Pro	Pro	Arg	Gly	Cys	Ser	Ala	Phe	His
			20					25						30	
Pro	Pro	Thr	His	Leu	Arg	Pro	Gly	Ser	Cys	Ser	Val	Ala	Gln	Ala	Gly
		35					40					45			
Val	Gln	Trp	Arg	Ser	Leu	Gly	Ser	Ile	Ala	Ala	Ser	Val	Ser	Trp	Val
	50					55					60				
Gln	Ala	Ile	Leu	Leu	Pro	Gln	Pro	Leu	Glu	*					
65					70				74						

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<210> 1537
<211> 96
<212> PRT
<213> Homo sapiens
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<400> 1537															
Met	Asp	Leu	Gly	Arg	Val	Phe	Ile	Thr	Leu	Ile	Leu	Asn	Leu	Leu	Arg
1				5					10					15	
Glu	Thr	Ile	Phe	Lys	Arg	Asp	Gln	Ser	Pro	Glu	Pro	Lys	Val	Pro	Glu
			20					25					30		
Gln	Ser	Val	Lys	Glu	Asp	Arg	Lys	Leu	Cys	Glu	Arg	Pro	Leu	Ala	Ser
		35					40					45			
Ser	Pro	Pro	Arg	Leu	Tyr	Glu	Asp	Asp	Glu	Thr	Pro	Gly	Ala	Leu	Ser
	50					55					60				
Gly	Leu	Thr	Asn	Met	Ala	Val	Ile	Gln	Ile	Asp	Gly	His	Met	Ser	Gly
65					70					75					80
Gln	Met	Val	Lys	His	Leu	Met	Asn	Ser	Met	Met	Lys	Leu	Cys	Val	Met
				85					90					95	96

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<210> 1538
<211> 318
<212> PRT
<213> Homo sapiens
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<400> 1538
Met Val Met Arg Pro Leu Trp Ser Leu Leu Leu Trp Glu Ala Leu Leu
1 5 10 15

Pro Ile Thr Val Thr Gly Ala Gln Val Leu Ser Lys Val Gly Gly Ser
 20 25 30
 Val Leu Leu Val Ala Ala Arg Pro Pro Gly Phe Gln Val Arg Glu Ala
 35 40 45
 Ile Trp Arg Ser Leu Trp Pro Ser Glu Glu Leu Leu Ala Thr Phe Phe
 50 55 60
 Arg Gly Ser Leu Glu Thr Leu Tyr His Ser Arg Phe Leu Gly Arg Ala
 65 70 75 80
 Gln Leu His Ser Asn Leu Ser Leu Glu Leu Gly Pro Leu Glu Ser Gly
 85 90 95
 Asp Ser Gly Asn Phe Ser Val Leu Met Val Asp Thr Arg Gly Gln Pro
 100 105 110
 Trp Thr Gln Thr Leu Gln Leu Lys Val Tyr Asp Ala Val Pro Arg Pro
 115 120 125
 Val Val Gln Val Phe Ile Ala Val Glu Arg Asp Ala Gln Pro Ser Lys
 130 135 140
 Thr Cys Gln Val Phe Leu Ser Cys Trp Ala Pro Asn Ile Ser Glu Ile
 145 150 155 160
 Thr Tyr Ser Trp Arg Arg Glu Thr Thr Met Asp Phe Gly Met Glu Pro
 165 170 175
 His Ser Leu Phe Thr Asp Gly Gln Val Leu Ser Ile Ser Leu Gly Pro
 180 185 190
 Gly Asp Arg Asp Val Ala Tyr Ser Cys Ile Val Ser Asn Pro Val Ser
 195 200 205
 Trp Asp Leu Ala Thr Val Thr Pro Trp Asp Ser Cys His His Glu Ala
 210 215 220
 Ala Pro Gly Lys Ala Ser Tyr Lys Asp Val Leu Leu Val Val Val Pro
 225 230 235 240
 Val Ser Leu Leu Leu Met Leu Val Thr Leu Phe Ser Ala Trp His Trp
 245 250 255
 Cys Pro Cys Ser Gly Pro His Leu Arg Ser Lys Gln Leu Trp Met Arg
 260 265 270
 Trp Asp Leu Gln Leu Ser Leu His Lys Val Thr Leu Ser Asn Leu Ile
 275 280 285
 Ser Thr Val Val Cys Ser Val Val His Gln Gly Leu Val Glu Gln Ile
 290 295 300
 His Thr Ala Leu Ile Lys Phe Pro Ser Leu Met Lys Lys Lys
 305 310 315 318

<210> 1539

<211> 157

<212> PRT

<213> Homo sapiens

<400> 1539

Met Ile Leu Gln Val Ser Gly Gly Pro Trp Thr Val Ala Leu Thr Ala
 1 5 10 15
 Leu Leu Met Val Leu Leu Ile Ser Val Val Gln Ser Arg Ala Thr Pro
 20 25 30
 Glu Asn Ser Val Tyr Gln Glu Arg Gln Glu Cys Tyr Ala Phe Asn Gly
 35 40 45
 Thr Gln Arg Val Val Asp Gly Leu Ile Tyr Asn Arg Glu Glu Tyr Val
 50 55 60
 His Phe Asp Ser Ala Val Gly Glu Phe Leu Ala Val Met Glu Leu Gly
 65 70 75 80
 Arg Pro Ile Gly Glu Tyr Phe Asn Ser Gln Lys Asp Phe Met Glu Arg

				85					90					95			
Lys	Arg	Ala	Glu	Val	Asp	Lys	Val	Cys	Arg	His	Lys	Tyr	Glu	Leu	Met		
			100					105					110				
Glu	Pro	Leu	Ile	Arg	Gln	Arg	Arg	Gly	Asp	Val	Thr	Ile	Thr	Ala	Val		
		115					120					125					
Arg	Gly	Cys	Trp	Thr	Thr	Ile	Leu	Ser	Gly	Tyr	Phe	Leu	Leu	Lys	Arg		
	130					135					140						
Gly	Val	Val	Ser	Gly	Gly	Cys	Ser	Trp	Gly	Ser	Ser	*					
145					150					155	156						

<210> 1540
 <211> 135
 <212> PRT
 <213> Homo sapiens

<400> 1540

Met	Gly	Ser	Ser	Phe	Ile	Leu	Ala	Leu	Leu	Leu	Ala	Val	Leu	Gln	Gly		
1				5					10					15			
Leu	Ser	Ala	Gly	Val	Leu	Leu	Glu	Gln	Ser	Arg	Ala	Glu	Val	Lys	Lys		
			20					25					30				
Pro	Gly	Glu	Ser	Leu	Lys	Ile	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Arg	Phe		
		35					40					45					
Thr	Ser	Ala	Trp	Ile	Ala	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu		
	50					55				60							
Glu	Trp	Met	Gly	Thr	Ile	Tyr	Pro	Ala	Asp	Ser	Glu	Val	Arg	Tyr	Ser		
65					70				75					80			
Pro	Ser	Leu	Gln	Gly	Gln	Val	Thr	Leu	Ser	Val	Asp	Glu	Ser	Ile	Ser		
			85					90						95			
Thr	Ala	Tyr	Leu	Gln	Trp	Asn	Ser	Leu	Arg	Ala	Ser	Asp	Thr	Ala	Thr		
		100					105						110				
Tyr	Tyr	Cys	Ala	Arg	Gln	Ile	Ile	Gly	Ala	Leu	Pro	Thr	Asp	Pro	Phe		
		115				120						125					
Asp	Leu	Leu	Gly	Gln	Gly	Thr											
130					135												

<210> 1541
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1541

Met	Cys	Val	Thr	Cys	Val	Val	Cys	Met	Trp	Cys	Met	Cys	Gly	Val	Cys		
1				5					10					15			
Ala	Met	Tyr	Val	Ala	Cys	Val	Met	His	Val	Val	Cys	Glu	Val	Tyr	Val		
			20					25					30				
Trp	Tyr	Val	Cys	Asp	Val	Cys	Ala	Phe	Gly	His	Thr	Gly	Val	Val	Ile		
		35					40					45					
Ala	Leu	Thr	Trp	Thr	Pro	Pro	Gln	Arg	Val	Ile	Arg	Lys	Gly	Gln	Val		
	50					55					60						
Leu	Arg	Leu	Ala	Cys	Ser	Gln	*										
65					70	71											

<210> 1542
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 1542
 Met Ala Pro Arg Thr Leu Val Leu Leu Leu Ser Gly Ala Leu Ala Leu
 1 5 10 15
 Thr Gln Thr Trp Ala Gly Ser His Ser Met Arg Tyr Phe Phe Thr Ser
 20 25 30
 Val Ser Arg Pro Gly Arg Gly Glu Pro Arg Phe Ile Ala Val Gly Tyr
 35 40 45
 Val Asp Asp Thr Gln Phe Val Arg Phe Asp Ser Asp Ala Ala Ser Gln
 50 55 60
 Arg Met Glu Pro Arg Ala Pro Trp Ile Glu Gln Glu Gly Pro Glu Tyr
 65 70 75 80
 Trp Asp Gly Glu Thr Arg Lys Val Lys Ala His Ser Gln Thr His Arg
 85 90 95
 Val Asp Leu Gly Thr Leu Arg Gly Tyr Tyr Asn Gln Ser Glu Ala Gly
 100 105 110
 Ser His Thr Val Gln Arg Met Tyr Gly Cys Asp Val Gly Ser Asp Trp
 115 120 125
 Arg Phe Leu Arg Gly Tyr His Gln Tyr Ala Tyr Asp Gly Lys Asp Tyr
 130 135 140
 Ile Ala Leu Lys Glu Asp Leu Arg Ser Trp Thr Ala Ala Asp Met Ala
 145 150 155 160
 Ala Gln Thr Thr Lys His Lys Trp Glu Ala Ala His Val Ala Glu Gln
 165 170 175
 Leu Arg Ala Tyr Leu Glu Gly Thr Cys Val Glu Trp Leu Arg Arg Tyr
 180 185 190
 Leu Glu Asn Gly Lys Glu Thr Leu Gln Arg Thr Asp Ala Pro Lys Thr
 195 200 205
 His Met Thr His His Pro Ile Ser Asp His Glu Ala Thr Leu Arg Cys
 210 215 220
 Trp Ala Leu Ser Phe Tyr Pro Ala Glu Ile Thr Leu Thr Trp Gln Arg
 225 230 235 240
 Asp Gly Glu Asp Gln Thr Gln Asp Thr Glu Leu Val Glu Thr Arg Pro
 245 250 255
 Ala Gly Asp Gly Thr Phe Gln Lys Trp Ala Ala Val Val Val Pro Ser
 260 265 270
 Gly Gln Glu Gln Arg Tyr Thr Cys His Val Gln His Glu Gly Leu Pro
 275 280 285
 Lys Pro Leu Thr Leu Arg Trp Glu Pro Ser Ser Gln Pro Thr Ile Pro
 290 295 300
 Ile Val Gly Ile Ile Ala Gly Leu Val Leu Phe Gly Ala Val Ile Thr
 305 310 315 320
 Gly Ala Val Val Ala Ala Val Met Trp Arg Arg Lys Ser Ser Asp Arg
 325 330 335
 Lys Gly Val Lys Asp Arg Lys Gly Gly Ser Tyr Ser Gln Ala Ala Ser
 340 345 350
 Ser Asp Ser Ala Gln Gly Ser Asp Val Ser Leu Thr Ala Cys Lys Val
 355 360 365 368

*

<210> 1543
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1543
 Met Arg Ser Leu Trp Lys Ala Asn Arg Ala Asp Leu Leu Ile Trp Leu
 1 5 10 15
 Val Thr Phe Thr Ala Thr Ile Leu Leu Asn Leu Asp Leu Gly Leu Glu
 20 25 30
 Asp Ala Val Ile Phe Ser Leu Leu Leu Glu Glu Val Arg Thr Gln Met
 35 40 45 48
 *

<210> 1544
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 1544
 Met Lys Ile Phe Lys Cys Tyr Phe Lys His Thr Leu Gln Gln Lys Val
 1 5 10 15
 Phe Ile Leu Phe Leu Thr Leu Trp Leu Leu Ser Leu Leu Lys Leu Leu
 20 25 30
 Asn Val Arg Arg Leu Phe Pro Gln Lys Asp Ile Tyr Leu Val Glu Tyr
 35 40 45
 Ser Leu Ser Thr Ser Pro Phe Val Arg Asn Arg Tyr Thr His Val Lys
 50 55 60
 Asp Glu Val Arg Tyr Glu Val Asn Cys Ser Gly Ile Tyr Glu Gln Glu
 65 70 75 80
 Pro Leu Glu Ile Gly Lys Ser Leu Glu Ile Arg Arg Arg Asp Ile Ile
 85 90 95
 Asp Leu Glu Asp Asp Asp Val Val Ala Met Thr Ser Asp Cys Asp Ile
 100 105 110
 Tyr Gln Thr Leu Lys Gly Tyr Ala *
 115 120

<210> 1545
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1545
 Met Phe Leu Leu Lys Trp Pro Leu Trp Val Leu Gln Tyr Val Val Cys
 1 5 10 15
 Ser Leu Lys Asp Lys Ile His Lys Phe Phe Tyr Ile Glu Arg Val Val
 20 25 30
 Gly Glu Leu Arg Val Leu Pro Gln Gly Trp Met Val Ala Leu Ile Leu
 35 40 45
 Arg Lys Asp Phe Val Leu Pro Ser Pro Ser Asp Val Val Asn Ala Ser
 50 55 60

Gln Pro Gly Gln Val *
65 69

<210> 1546
<211> 58
<212> PRT
<213> Homo sapiens

<400> 1546
Met Tyr Gly Met Leu Glu Trp Pro Ile Ser Met Tyr Phe Val Ala Phe
1 5 10 15
Leu His Cys Phe Leu Cys Ser Gly Gly Asn Leu Gly Asp Ser Phe Gln
20 25 30
Ala Leu Pro Glu Leu Cys Ala Asn Cys Ser Ser Ser Pro Arg Val Leu
35 40 45
Cys Cys Val Val Met Ser Pro Leu Pro *
50 55 57

<210> 1547
<211> 65
<212> PRT
<213> Homo sapiens

<400> 1547
Met Trp Leu His Glu Asn Leu Gln Phe Leu Leu Gln Leu Ile Phe His
1 5 10 15
Phe Tyr Trp Thr Val Pro Pro Trp Arg Asp Trp Cys Lys Val Ile Gln
20 25 30
Gln Ala Arg Asp Arg Pro Gly Pro Asn Pro Leu Leu Pro Leu Arg Met
35 40 45
Gly Ala Trp His Leu Pro Gly His Asp Gly Leu Gly Arg Val Cys Thr
50 55 60 64
*

<210> 1548
<211> 78
<212> PRT
<213> Homo sapiens

<400> 1548
Met Phe Ile Ile Phe Leu Ala Phe Ile Ala Leu Lys Arg Ser Lys Ser
1 5 10 15
Val Ile Gly Ala Phe Leu Tyr Leu Ala Ser Ile Phe Leu Ala His Gly
20 25 30
Val Ala Ala His Ile Val Phe Met Ser Ala Phe Tyr Gln Ala Cys Arg
35 40 45
Thr Tyr Leu Trp Trp Ala Leu Cys Glu Asn Leu Arg Met Lys Ser Val
50 55 60
Ser Cys Met Leu Leu Lys Gly Met Ala Cys Leu Leu Thr *

65

70

75

77

<210> 1549
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1549
 Met Leu Tyr Ile Glu Cys Lys Ser His Lys Leu Val Ala Pro Leu Ala
 1 5 10 15
 Val Phe Phe Ala Leu Phe Phe Leu Leu Ile Phe Phe Trp Val Ala Phe
 20 25 30
 Ser Tyr Pro Phe Glu Leu Leu Phe Leu Gln Leu Arg Ser Arg Gln Ala
 35 40 45
 Asp Ile Gly Val Gln *
 50 53

<210> 1550
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1550
 Met Val Asn Thr Trp Leu Ala Ala Cys Cys Thr Val Val Thr Trp Phe
 1 5 10 15
 Pro Lys Met Ser Met Leu Pro Leu Pro Pro Ser Lys Pro Ser Ala Arg
 20 25 30
 Ser Ser Leu Trp Ile Gly Ala Pro Leu Ala Ser Arg Leu Ala Ser Thr
 35 40 45
 Thr Ser Leu Pro Leu Trp Cys Leu Val Glu Thr Trp Pro Arg Tyr Arg
 50 55 60
 Glu Leu Cys Ala Cys *
 65 69

<210> 1551
 <211> 224
 <212> PRT
 <213> Homo sapiens

<400> 1551
 Met Arg Gln Ile Asn Lys Lys Gly Phe Trp Ser Tyr Gly Pro Val Ile
 1 5 10 15
 Leu Val Val Leu Val Val Ala Val Val Ala Ser Ser Val Asn Ser Tyr
 20 25 30
 Tyr Ser Ser Pro Ala Gln Gln Val Pro Lys Asn Pro Ala Leu Glu Ala
 35 40 45
 Phe Leu Ala Gln Phe Ser Gln Leu Glu Asp Lys Phe Pro Gly Gln Ser
 50 55 60
 Ser Phe Leu Trp Gln Arg Gly Arg Lys Phe Leu Gln Lys His Leu Asn
 65 70 75 80

Ala	Ser	Asn	Pro	Thr	Glu	Pro	Ala	Thr	Ile	Ile	Phe	Thr	Ala	Ala	Arg
				85					90					95	
Glu	Gly	Arg	Glu	Thr	Leu	Lys	Cys	Leu	Ser	His	His	Val	Ala	Asp	Ala
			100					105					110		
Tyr	Thr	Ser	Ser	Gln	Lys	Val	Ser	Pro	Ile	Gln	Ile	Asp	Gly	Ala	Gly
		115					120					125			
Arg	Thr	Trp	Gln	Asp	Ser	Asp	Thr	Val	Lys	Leu	Leu	Val	Asp	Leu	Glu
	130					135					140				
Leu	Ser	Tyr	Gly	Phe	Glu	Asn	Gly	Gln	Lys	Ala	Ala	Val	Val	His	His
145					150					155					160
Phe	Glu	Ser	Phe	Pro	Ala	Gly	Ser	Thr	Leu	Ile	Phe	Tyr	Lys	Tyr	Cys
			165						170					175	
Asp	His	Glu	Asn	Ala	Ala	Phe	Lys	Asp	Val	Ala	Leu	Val	Leu	Thr	Val
			180					185					190		
Leu	Leu	Glu	Glu	Glu	Thr	Leu	Glu	Ala	Ser	Val	Gly	Pro	Arg	Glu	Thr
		195					200					205			
Glu	Glu	Lys	Val	Arg	Asp	Leu	Leu	Trp	Ala	Lys	Phe	Thr	Asn	Ser	*
	210					215					220			223	

<210> 1552
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1552

Met	Arg	Gln	Lys	Phe	Leu	Lys	Pro	Leu	Leu	Ile	Leu	Leu	His	Arg	Leu
1				5					10					15	
Lys	Leu	Gly	Ser	Leu	Tyr	Thr	Pro	Ser	Ser	Val	Ala	Arg	Tyr	Asp	Ser
			20					25					30		
Ser	Val	Asn	Glu	Asn	Arg	Ser	Val	Asn	Ser	Ser	Ala	Tyr	Glu	Glu	Ala
		35					40					45			
Lys	Glu	Leu	Met	Leu	Ser	Met	Asn	*							
	50					55	56								

<210> 1553
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 1553

Met	Ser	Cys	Val	Leu	Gly	Gly	Val	Ile	Pro	Leu	Gly	Leu	Leu	Phe	Leu
1				5					10					15	
Val	Cys	Gly	Ser	Gln	Gly	Tyr	Leu	Leu	Pro	Asn	Val	Thr	Leu	Leu	Glu
			20					25					30		
Glu	Leu	Leu	Ser	Lys	Tyr	Gln	His	Asn	Glu	Ser	His	Ser	Arg	Val	Arg
		35					40					45			
Arg	Ala	Ile	Pro	Arg	Glu	Asp	Lys	Glu	Glu	Ile	Leu	Met	Leu	His	Asn
	50					55					60				
Lys	Leu	Arg	Gly	Gln	Val	Gln	Pro	Gln	Ala	Ser	Asn	Met	Glu	Tyr	Met
	65				70					75				80	
Thr	Trp	Asp	Asp	Glu	Leu	Glu	Lys	Ser	Ala	Ala	Ala	Trp	Ala	Ser	Gln
			85						90					95	
Cys	Ile	Trp	Glu	His	Gly	Pro	Thr	Ser	Leu	Leu	Val	Ser	Ile	Gly	Gln

			100					105					110				
Asn	Leu	Gly	Ala	His	Trp	Gly	Arg	Tyr	Arg	Ser	Pro	Gly	Phe	His	Val		
			115					120					125				
Gln	Ser	Trp	Tyr	Asp	Glu	Val	Lys	Asp	Tyr	Thr	Tyr	Pro	Tyr	Pro	Ser		
			130					135					140				
Glu	Cys	Asn	Pro	Trp	Cys	Pro	Glu	Arg	Cys	Ser	Gly	Pro	Met	Cys	Thr		
145					150					155					160		
His	Tyr	Thr	Gln	Ile	Val	Trp	Ala	Thr	Thr	Asn	Lys	Ile	Gly	Cys	Ala		
				165					170					175			
Val	Asn	Thr	Cys	Arg	Lys	Met	Thr	Val	Trp	Gly	Glu	Val	Trp	Glu	Asn		
			180					185					190				
Ala	Val	Tyr	Phe	Val	Cys	Asn	Tyr	Ser	Pro	Lys	Gly	Asn	Trp	Ile	Gly		
			195					200					205				
Glu	Ala	Pro	Tyr	Lys	Asn	Gly	Arg	Pro	Cys	Ser	Glu	Cys	Pro	Pro	Ser		
			210				215					220					
Tyr	Gly	Gly	Ser	Cys	Arg	Asn	Asn	Leu	Cys	Tyr	Arg	Glu	Glu	Thr	Tyr		
225					230					235					240		
Thr																	
241																	

<210> 1554
 <211> 56
 <212> PRT
 <213> Homo sapiens

Met	Leu	Thr	Ser	Ser	Gly	Cys	Glu	Lys	His	Leu	Ser	Leu	Ala	Ser	Val		
1				5				10					15				
Ser	Ser	Leu	Ser	Leu	Phe	Cys	Val	Cys	Cys	Ser	Ser	Cys	Gln	Leu	Leu		
			20					25					30				
Trp	Glu	Asn	Glu	Cys	Glu	Arg	Gly	Ser	Gln	Arg	Gly	Trp	Pro	Pro	Gln		
		35					40					45					
Cys	Lys	Trp	Gly	Ser	Ala	Val	*										
	50					55											

<210> 1555
 <211> 64
 <212> PRT
 <213> Homo sapiens

Met	Tyr	Gly	Trp	Thr	Met	Thr	Ser	Thr	Ile	Ser	Cys	Val	Phe	Trp	Ala		
1				5				10					15				
Cys	Pro	Gln	Arg	Lys	Lys	Gly	Leu	Cys	Lys	Arg	Glu	Gly	Val	Gly	Ser		
			20					25					30				
Ser	Ile	Leu	Ile	His	Ser	Leu	Ala	Ala	Phe	Val	Met	Phe	Asp	Cys	Asn		
		35					40					45					
Leu	Pro	Leu	Leu	Val	Arg	Arg	Val	Arg	Arg	Ile	His	Tyr	Pro	Ala	*		
	50					55				60				63			

<210> 1556

<211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1556
 Met Ser Arg Pro Met Met Thr Ser Ala Ser Trp Thr Ser Val Trp Ser
 1 5 10 15
 Val Phe Val Met Ile Tyr Leu Tyr Phe Glu Arg Lys Tyr Val Leu Pro
 20 25 30
 Leu Leu Gly Val Val Phe Tyr Thr Ile Ile Ser Asn Asp Ala Phe Ala
 35 40 45
 Leu Glu Ser Leu Leu Ser Gly Ile Ser Thr Ser Ala Phe Phe Cys Lys
 50 55 60
 Glu Leu Met Cys Ile Leu *
 65 70

<210> 1557
 <211> 126
 <212> PRT
 <213> Homo sapiens

<400> 1557
 Met Gln Thr His Leu Gly Ala Ser Cys Leu Ser Leu Val Ile Arg Ile
 1 5 10 15
 Ala Leu Leu Phe Leu Val Gln Arg Asp Gly His Leu His Ser Arg Arg
 20 25 30
 Glu Ile Tyr Ala Ile Phe Thr Lys Gly Ser Leu Cys Pro Ala Phe Lys
 35 40 45
 Trp Ala Arg Val Gly Arg Glu Leu Phe Leu His Leu Leu Leu Ser Asn
 50 55 60
 Cys His Gln Leu Lys Ile Ile Leu Ile Pro Lys Cys His Ile Leu Gly
 65 70 75 80
 Trp His Ile Leu Ile Pro Phe Thr Ser Lys Ile Trp Asp Ser Tyr Phe
 85 90 95
 Ile Val Gln Cys Phe Ser His Phe Thr Thr Leu Ala Asn Val Phe Met
 100 105 110
 Glu Glu Asp Asn Pro Val Ser Glu Leu Gln Val Phe Gln *
 115 120 125

<210> 1558
 <211> 135
 <212> PRT
 <213> Homo sapiens

<400> 1558
 Met Lys Gly Ser Ile Phe Thr Leu Phe Leu Phe Ser Val Leu Phe Ala
 1 5 10 15
 Ile Ser Glu Val Arg Ser Lys Glu Ser Val Arg Leu Cys Gly Leu Glu
 20 25 30
 Tyr Ile Arg Thr Val Ile Tyr Ile Cys Ala Ser Ser Arg Trp Arg Arg
 35 40 45
 His Leu Glu Gly Ile Pro Gln Ala Gln Gln Ala Glu Thr Gly Asn Ser

50		55		60											
Phe	Gln	Leu	Pro	His	Lys	Arg	Glu	Phe	Ser	Glu	Glu	Asn	Pro	Ala	Gln
65					70					75					80
Asn	Leu	Pro	Lys	Val	Asp	Ala	Ser	Gly	Glu	Asp	Arg	Leu	Trp	Gly	Gly
				85					90					95	
Gln	Met	Pro	Thr	Glu	Glu	Leu	Trp	Lys	Ser	Lys	Lys	His	Ser	Val	Met
			100					105					110		
Ser	Arg	Gln	Asp	Leu	Gln	Thr	Leu	Cys	Cys	Thr	Asp	Gly	Cys	Ser	Met
		115					120					125			
Thr	Asp	Leu	Ser	Ala	Leu	Cys									
130						135									

<210> 1559
 <211> 203
 <212> PRT
 <213> Homo sapiens

<400> 1559															
Met	Glu	Leu	Trp	Gly	Ala	Tyr	Leu	Leu	Leu	Cys	Leu	Phe	Ser	Leu	Leu
1				5					10					15	
Thr	Gln	Val	Thr	Thr	Glu	Pro	Pro	Thr	Gln	Lys	Pro	Lys	Lys	Ile	Val
			20					25					30		
Asn	Ala	Lys	Lys	Asp	Val	Val	Asn	Thr	Lys	Met	Phe	Glu	Glu	Leu	Lys
		35					40					45			
Ser	Arg	Leu	Asp	Thr	Leu	Ala	Gln	Glu	Val	Ala	Leu	Leu	Lys	Glu	Gln
		50				55					60				
Gln	Ala	Leu	Gln	Thr	Val	Cys	Leu	Lys	Gly	Thr	Lys	Val	His	Met	Lys
65				70					75					80	
Cys	Phe	Leu	Ala	Phe	Thr	Gln	Thr	Lys	Thr	Phe	His	Glu	Ala	Ser	Glu
			85					90						95	
Asp	Cys	Ile	Ser	Arg	Gly	Gly	Thr	Leu	Ser	Thr	Pro	Gln	Thr	Gly	Ser
		100					105					110			
Glu	Asn	Asp	Ala	Leu	Tyr	Glu	Tyr	Leu	Arg	Gln	Ser	Val	Gly	Asn	Glu
		115				120					125				
Ala	Glu	Ile	Trp	Leu	Gly	Leu	Asn	Asp	Met	Ala	Ala	Glu	Gly	Thr	Trp
130				135							140				
Val	Asp	Met	Thr	Gly	Ala	Arg	Ile	Ala	Tyr	Lys	Asn	Trp	Glu	Thr	Glu
145				150					155					160	
Ile	Thr	Ala	Gln	Pro	Asp	Gly	Gly	Lys	Thr	Glu	Asn	Cys	Ala	Val	Leu
			165					170						175	
Ser	Gly	Ala	Ala	Asn	Gly	Lys	Trp	Phe	Asp	Lys	Arg	Cys	Arg	Asp	Gln
		180					185						190		
Leu	Pro	Tyr	Ile	Cys	Gln	Phe	Gly	Ile	Val	*					
		195					200		202						

<210> 1560
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1560															
Met	Met	Gly	Val	Ser	Gly	Cys	Met	Val	Leu	Leu	Ala	Pro	Leu	Leu	Ala
1				5					10					15	

Arg Arg Ser Gln Ser Ser Leu Trp Lys Gln Phe Glu Lys Cys Ser Ala
 20 25 30
 Gly Pro Lys Leu Met Leu Ser Lys Phe Leu Pro Trp Gly Lys Leu Ala
 35 40 45
 Met Pro Ser Arg Met Ser Asn Phe Ser Pro *

<210> 1561
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1561
 Met Lys Phe Ser Asn Val Leu Cys Thr Cys Leu Leu Ile Leu Gln Lys
 1 5 10 15
 Val Lys Leu Phe Tyr Lys Thr Val His Glu Asn Ser Ser Phe Leu Pro
 20 25 30
 Cys Phe Ser His Leu Ile Pro Ser Pro Gln Arg Asn Leu Ser Ser Ile
 35 40 45
 Phe *

<210> 1562
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1562
 Met Leu Phe Ser Ala Val Lys Leu Tyr Cys Cys Gln Phe Trp His Leu
 1 5 10 15
 Ile Leu Asn Arg Val Pro Ser Pro Ser Leu Leu Tyr Ser Cys Gly Leu
 20 25 30
 Ser Thr Asn Val Leu Asn Thr Thr Val Cys Tyr Val Arg Asp Lys Lys
 35 40 45 48
 *

<210> 1563
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1563
 Met Glu Arg Leu Arg Gly Lys Cys Leu Leu Ile Ile Ala Leu Met Thr
 1 5 10 15
 Pro Leu Cys Thr Thr Thr Ile Ser Ser Ser Cys Ile Glu Gly Ser Ala
 20 25 30
 Asn Phe Phe Cys Lys Glu Pro Gly Ser Asn Cys Val Phe Glu Ala Leu
 35 40 45
 Trp Ala Ile Trp Ser Val Gly Gln Leu Leu Ser Ser Ser Val Val Ala

50
His Lys Gln Pro *
65 68

55

60

<210> 1564
<211> 53
<212> PRT
<213> Homo sapiens

<400> 1564
Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser Lys
1 5 10 15
Cys Trp Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile Ile
20 25 30
Ile Ser Leu Arg Ala Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe Pro
35 40 45
Gln Tyr Phe Pro *
50 52

<210> 1565
<211> 236
<212> PRT
<213> Homo sapiens

<400> 1565
Met Pro Arg Arg Gly Leu Ile Leu His Thr Arg Thr His Trp Leu Leu
1 5 10 15
Leu Gly Leu Ala Leu Leu Cys Ser Leu Val Leu Phe Met Tyr Leu Leu
20 25 30
Glu Cys Ala Pro Gln Thr Asp Gly Asn Ala Ser Leu Pro Gly Val Val
35 40 45
Gly Glu Asn Tyr Gly Lys Glu Tyr Tyr Gln Ala Leu Leu Gln Glu Gln
50 55 60
Glu Glu His Tyr Gln Thr Arg Ala Thr Ser Leu Lys Arg Gln Ile Ala
65 70 75 80
Gln Leu Lys Gln Glu Leu Gln Glu Met Ser Glu Lys Met Arg Ser Leu
85 90 95
Gln Glu Arg Arg Asn Val Gly Ala Asn Gly Ile Gly Tyr Gln Ser Asn
100 105 110
Lys Glu Gln Ala Pro Ser Asp Leu Leu Glu Phe Leu His Ser Gln Ile
115 120 125
Asp Lys Ala Glu Val Ser Ile Gly Ala Lys Leu Pro Ser Glu Tyr Gly
130 135 140
Val Ile Pro Phe Glu Ser Phe Thr Leu Met Lys Val Phe Gln Leu Glu
145 150 155 160
Met Gly Leu Thr Arg His Pro Glu Glu Lys Pro Val Arg Lys Asp Lys
165 170 175
Arg Asp Glu Leu Val Glu Val Ile Glu Ala Gly Leu Glu Val Ile Asn
180 185 190
Asn Pro Asp Glu Asp Asp Glu Gln Glu Asp Glu Glu Gly Pro Leu Gly
195 200 205
Glu Lys Leu Ile Phe Asn Glu Asn Asp Phe Val Glu Gly Tyr Tyr Arg
210 215 220

Thr Glu Arg Asp Lys Gly Thr Gln Tyr Glu Leu Phe
 225 230 235 236

<210> 1566
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1566
 Met Thr Ala Gly Ile Met Pro Leu Gly Leu Cys Pro Cys Ser Cys Leu
 1 5 10 15
 Cys Leu His Ser Arg Thr Gly Ala Phe Ser Ala Val His Trp Ser Pro
 20 25 30
 Val Glu Gly Thr Pro Asp Pro Ser Leu Arg Glu Val Ile Ser Lys Gly
 35 40 45
 Cys Phe Ile Thr Val Phe Pro Gln Asn Asp Pro Ile Asp Thr Val Phe
 50 55 60
 Ser Gln Cys Pro Leu Thr Phe Glu His Ile Arg Glu *
 65 70 75 76

<210> 1567
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 1567
 Met Leu Ile Gly Leu Leu Ala Trp Leu Gln Thr Val Pro Ala His Gly
 1 5 10 15
 Cys Gln Phe Leu Pro Ile Thr Ser Val Thr Ala Thr Val Tyr His Leu
 20 25 30
 Pro Val His Gln Leu Lys Gly Arg Ser Arg Val Gln Lys Asn Leu Thr
 35 40 45
 Leu Asp Asn Glu Gly Glu Gly Thr Trp Thr Thr Cys Leu Glu Phe Leu
 50 55 60
 Glu Ser Leu Ala Gly Trp Arg Leu Gly Trp Gly Val Ser Arg Gly Val
 65 70 75 80
 Arg Glu Trp Leu Cys Leu Gln Gln Val Ser Leu His Gln Thr Pro Gly
 85 90 95
 Leu Pro His Lys Gln Asp Leu *
 100 103

<210> 1568
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1568
 Met Val Val Asn Thr Met Ile Tyr Phe Phe Ile Phe Thr Tyr Thr Leu
 1 5 10 15
 Ala Lys Arg Ala Arg Val His Ile Asn Lys Asn Gly Asn Lys Ala Leu

		20					25			30			
Ala	Glu	Lys	Asn	Met	His	Leu	Thr	Asn	His	Val	Asn	Ser	*
		35					40					45	

<210> 1569
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1569

Met	Leu	Met	Met	Asp	Thr	Leu	Trp	Pro	Ile	Leu	Leu	Gln	Thr	Leu	Lys
1				5					10					15	
Val	Ile	Ser	Gln	Val	Gly	His	Ala	Gly	Pro	Leu	Ala	Asn	Met	Ile	His
			20					25					30		
Asp	Asn	Pro	Cys	Ile	Ile	Ala	Tyr	Arg	Ile	Thr	Leu	Arg	Leu	Val	Gly
		35					40					45			
Pro	*														
49															

<210> 1570
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1570

Met	Val	Gly	Phe	Asp	Leu	Leu	Pro	Leu	Leu	Phe	Phe	Pro	Phe	Phe	Phe
1				5					10					15	
Pro	Ser	Leu	Ile	Phe	Phe	Pro	Phe	Phe	Ser	Ser	Pro	Ser	Pro	Ser	Phe
			20					25					30		
Gln	Phe	Leu	Pro	His	Gln	Glu	Lys	Ser	Gln	His	Val	Phe	Pro	Pro	Asn
		35					40					45			
Ala	*														
49															

<210> 1571
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1571

Met	Tyr	Leu	Trp	Val	Val	Arg	Trp	Lys	Trp	Cys	Leu	Gln	Lys	Leu	Gly
1				5					10					15	
Arg	Arg	Ile	Leu	Leu	His	Ser	Leu	His	Asp	Val	Phe	Ile	Ala	Asn	Met
			20					25					30		
Asp	Asp	Lys	Gly	Leu	Cys	Tyr	Arg	Gly	Leu	Arg	Ala	Pro	Ser	Phe	Leu
		35					40					45			
Leu	*														
49															

<210> 1572
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1572
 Met Ser Ser Gly Arg Asn Phe Gly Phe Cys Phe Gln Trp Leu Pro Trp
 1 5 10 15
 Ala Leu Val Ala Thr Trp Ala Ser Val Thr Val Leu Met Ser Ser His
 20 25 30
 Ser Ser Ser Val Gly Ser Gly Leu Cys Pro Met Asp Phe Cys Ser Ser
 35 40 45
 Ser Arg Arg Leu Phe Ser Arg Phe Ser Ser Ile Ser Phe Leu Leu Ala
 50 55 60
 Ser Leu Leu Leu Ser Ser Thr Lys Ser Val Ala Met Pro Thr *
 65 70 75 79

<210> 1573
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1573
 Met Ile Asp Ile Val Arg Phe Ala Gly Leu Pro Ser Leu Leu Leu His
 1 5 10 15
 Ala Leu Cys Leu Ile Ser Leu Thr Tyr Pro Ser Ser Phe Arg His Ser
 20 25 30
 Ser Tyr Leu Ile Ser Pro Cys Ala Ser Phe Trp Ile Leu Tyr Leu Phe
 35 40 45
 Arg Pro Val *
 50 51

<210> 1574
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 1574
 Met Arg Leu Ser Leu Pro Leu Leu Leu Leu Leu Leu Gly Ala Trp Ala
 1 5 10 15
 Ile Pro Gly Gly Leu Gly Val Met Ala Pro Leu Thr Ala Thr Ala Pro
 20 25 30
 Glu Val Asp Asp Glu Glu Met Tyr Ser Ala His Met Pro Ala His Leu
 35 40 45
 Arg Cys Asp Ala Cys Arg Ala Val Ala Tyr Gln Glu Cys Gly Pro Lys
 50 55 60
 Thr Leu Ala Lys Ala Glu Thr Lys Leu His Thr Ser Asn Ser Gly Gly
 65 70 75 80
 Arg Arg Asp Val Ser Glu Leu Val Tyr Thr Asp Val Leu Asp Arg Ser
 85 90 95
 Cys Ser Arg Asn Trp Gln Asp Tyr Gly Val Arg Glu Val Asp Gln Val

```

      100      105      110
Lys Arg Leu Thr Gly Pro Gly Leu Ser Glu Gly Pro Glu Pro Ser Ile
      115      120      125
Ser Val Met Val Thr Gly Gly Pro Trp His Thr Arg Leu Ser Arg Thr
      130      135      140
Cys Leu His Tyr Leu Gly Glu Phe Gly Glu Asp Gln Ile Tyr Glu Ala
      145      150      155      160
His Gln Gln Gly Arg Gly Ala Leu Glu Ala Leu Leu Cys Gly Gly Pro
      165      170      175
Pro Gly Gly Leu Leu Arg Glu Gly Val Ser His Lys Arg Arg Ala Leu
      180      185      190
Val Leu Asp Ser Thr Leu Leu *
      195      199

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<210> 1575
<211> 51
<212> PRT
<213> Homo sapiens

<221> misc_feature
<222> (1)...(51)
<223> Xaa = any amino acid or nothing

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<400> 1575
Met Leu Leu Gly Phe Gly Asn Val Phe Ile Leu Leu Ile Leu Xaa Thr
 1           5           10           15
Ala Ile Leu Trp Leu Lys Gly Ser Gln Arg Val Pro Glu Glu Pro Gly
      20           25           30
Glu Gln Pro Ile Tyr Met Asn Phe Ser Glu Pro Leu Thr Lys Asp Met
      35           40           45
Ala Thr *
      50

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<210> 1576
<211> 124
<212> PRT
<213> Homo sapiens

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<400> 1576
Met Arg Ile Arg Leu Leu Cys Cys Val Ala Phe Ser Leu Leu Trp Ala
 1           5           10           15
Gly Pro Val Ile Ala Gly Ile Thr Gln Ala Pro Thr Ser Gln Ile Leu
      20           25           30
Ala Ala Gly Arg Arg Met Thr Leu Arg Cys Thr Gln Asp Met Arg His
      35           40           45
Asn Ala Met Tyr Trp Tyr Arg Gln Asp Leu Gly Leu Gly Leu Arg Leu
      50           55           60
Ile His Tyr Ser Asn Thr Ala Gly Thr Thr Gly Lys Gly Glu Val Pro
      65           70           75           80
Asp Gly Tyr Ser Val Ser Arg Ala Asn Thr Asp Asp Phe Pro Leu Thr
      85           90           95
Leu Ala Ser Ala Val Pro Ser Gln Thr Ser Val Tyr Phe Cys Ala Ser
      100           105           110

```


Ser Asp Gly Ala Ser Gly Ser Pro His Thr Gly Glu
 115 120 124

<210> 1577
 <211> 860
 <212> PRT
 <213> Homo sapiens

<400> 1577
 Met Ala Cys Arg Trp Ser Thr Lys Glu Ser Pro Arg Trp Arg Ser Ala
 1 5 10 15
 Leu Leu Leu Leu Phe Leu Ala Gly Val Tyr Gly Asn Gly Ala Leu Ala
 20 25 30
 Glu His Ser Glu Asn Val His Ile Ser Gly Val Ser Thr Ala Cys Gly
 35 40 45
 Glu Thr Pro Glu Gln Ile Arg Ala Pro Ser Gly Ile Ile Thr Ser Pro
 50 55 60
 Gly Trp Pro Ser Glu Tyr Pro Ala Lys Ile Asn Cys Ser Trp Phe Ile
 65 70 75 80
 Arg Ala Asn Pro Gly Glu Ile Ile Thr Ile Ser Phe Gln Asp Phe Asp
 85 90 95
 Ile Gln Gly Ser Arg Arg Cys Asn Leu Asp Trp Leu Thr Ile Glu Thr
 100 105 110
 Tyr Lys Asn Ile Glu Ser Tyr Arg Ala Cys Gly Ser Thr Ile Pro Pro
 115 120 125
 Pro Tyr Ile Ser Ser Gln Asp His Ile Trp Ile Arg Phe His Ser Asp
 130 135 140
 Asp Asn Ile Ser Arg Lys Gly Phe Arg Leu Ala Tyr Phe Ser Gly Lys
 145 150 155 160
 Ser Glu Glu Pro Asn Cys Ala Cys Asp Gln Phe Arg Cys Gly Asn Gly
 165 170 175
 Lys Cys Ile Pro Glu Ala Trp Lys Cys Asn Asn Met Asp Glu Cys Gly
 180 185 190
 Asp Arg Ser Asp Glu Glu Ile Cys Ala Lys Glu Ala Asn Pro Pro Thr
 195 200 205
 Ala Ala Ala Phe Gln Pro Cys Ala Tyr Asn Gln Phe Gln Cys Leu Ser
 210 215 220
 Arg Phe Thr Lys Val Tyr Thr Cys Leu Pro Glu Ser Leu Lys Cys Asp
 225 230 235 240
 Gly Asn Ile Asp Cys Leu Asp Leu Gly Asp Glu Ile Asp Cys Asp Val
 245 250 255
 Pro Thr Cys Gly Gln Trp Leu Lys Tyr Phe Tyr Gly Thr Phe Asn Ser
 260 265 270
 Pro Asn Tyr Pro Asp Phe Tyr Pro Pro Gly Ser Asn Cys Thr Trp Leu
 275 280 285
 Ile Asp Thr Gly Asp His Arg Lys Val Ile Leu Arg Phe Thr Asp Phe
 290 295 300
 Lys Leu Asp Gly Thr Gly Tyr Gly Asp Tyr Val Lys Ile Tyr Asp Gly
 305 310 315 320
 Leu Glu Glu Asn Pro His Lys Leu Leu Arg Val Leu Thr Ala Phe Asp
 325 330 335
 Ser His Ala Pro Leu Thr Val Val Ser Ser Ser Gly Gln Ile Arg Val
 340 345 350
 His Phe Cys Ala Asp Lys Val Asn Ala Ala Arg Gly Phe Asn Ala Thr
 355 360 365
 Tyr Gln Val Asp Gly Phe Cys Leu Pro Trp Glu Ile Pro Cys Gly Gly

370	375	380
Asn Trp Gly Cys Tyr Thr Glu Gln Gln Arg Cys Asp Gly Tyr Trp His		
385	390	395
Cys Pro Asn Gly Arg Asp Glu Thr Asn Cys Thr Met Cys Gln Lys Glu		400
	405	410
Glu Phe Pro Cys Ser Arg Asn Gly Val Cys Tyr Pro Arg Ser Asp Arg		415
	420	425
Cys Asn Tyr Gln Asn His Cys Pro Asn Gly Ser Asp Glu Lys Asn Cys		430
	435	440
Phe Phe Cys Gln Pro Gly Asn Phe His Cys Lys Asn Asn Arg Cys Val		445
	450	455
Phe Glu Ser Trp Val Cys Asp Ser Gln Asp Asp Cys Gly Asp Gly Ser		460
465	470	475
Asp Glu Glu Asn Cys Pro Val Ile Val Pro Thr Arg Val Ile Thr Ala		480
	485	490
Ala Val Ile Gly Ser Leu Ile Cys Gly Leu Leu Leu Val Ile Ala Leu		495
	500	505
Gly Cys Thr Cys Lys Leu Tyr Ser Leu Arg Met Phe Glu Arg Arg Ser		510
	515	520
Phe Glu Thr Gln Leu Ser Arg Val Glu Ala Glu Leu Leu Arg Arg Glu		525
	530	535
Ala Pro Pro Ser Tyr Gly Gln Leu Ile Ala Gln Gly Leu Ile Pro Pro		540
545	550	555
Val Glu Asp Phe Pro Val Cys Ser Pro Asn Gln Ala Ser Val Leu Glu		560
	565	570
Asn Leu Arg Leu Ala Val Arg Ser Gln Leu Gly Phe Thr Ser Val Arg		575
	580	585
Leu Pro Met Ala Gly Arg Ser Ser Asn Ile Trp Asn Arg Ile Phe Asn		590
	595	600
Phe Ala Arg Ser Arg His Ser Gly Ser Leu Ala Leu Val Ser Ala Asp		605
	610	615
Gly Asp Glu Val Val Pro Ser Gln Ser Thr Ser Arg Glu Pro Glu Arg		620
625	630	635
Asn His Thr His Arg Ser Leu Phe Ser Val Glu Ser Asp Asp Thr Asp		640
	645	650
Thr Glu Asn Glu Arg Arg Asp Met Ala Gly Ala Ser Gly Gly Val Ala		655
	660	665
Ala Pro Leu Pro Gln Lys Val Pro Pro Thr Thr Ala Val Glu Ala Thr		670
	675	680
Val Gly Ala Cys Ala Ser Ser Ser Thr Gln Ser Thr Arg Gly Gly His		685
	690	695
Ala Asp Asn Gly Arg Asp Val Thr Ser Val Glu Pro Pro Ser Val Ser		700
705	710	715
Pro Ala Arg His Gln Leu Thr Ser Ala Leu Ser Arg Met Thr Gln Gly		720
	725	730
Leu Arg Trp Val Arg Phe Thr Leu Gly Arg Ser Ser Ser Leu Ser Gln		735
	740	745
Asn Gln Ser Pro Leu Arg Gln Leu Asp Asn Gly Val Ser Gly Arg Glu		750
	755	760
Asp Asp Asp Asp Val Glu Met Leu Ile Pro Ile Ser Asp Gly Ser Ser		765
	770	775
Asp Phe Asp Val Asn Asp Cys Ser Arg Pro Leu Leu Asp Leu Ala Ser		780
785	790	795
Asp Gln Gly Gln Gly Leu Arg Gln Pro Tyr Asn Ala Thr Asn Pro Gly		800
	805	810
Val Arg Pro Ser Asn Arg Asp Gly Pro Cys Glu Arg Cys Gly Ile Val		815
	820	825
His Thr Ala Gln Ile Pro Asp Thr Cys Leu Glu Val Thr Leu Lys Asn		830
	835	840
		845

Glu Thr Ser Asp Asp Glu Ala Leu Leu Leu Cys *
 850 855 859

<210> 1578
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1578
 Met Tyr Gly Met Leu Glu Trp Pro Ile Ser Met Tyr Phe Val Ala Phe
 1 5 10 15
 Leu His Cys Phe Leu Cys Ser Gly Gly Asn Leu Gly Asp Ser Phe Gln
 20 25 30
 Ala Leu Pro Glu Leu Cys Ala Asn Cys Ser Ser Ser Pro Arg Val Leu
 35 40 45
 Cys Cys Val Val Met Ser Pro Leu Pro *
 50 55 57

<210> 1579
 <211> 572
 <212> PRT
 <213> Homo sapiens

<400> 1579
 Met Arg Arg Arg Ser Arg Met Leu Leu Cys Phe Ala Phe Leu Trp Val
 1 5 10 15
 Leu Gly Ile Ala Tyr Tyr Met Tyr Ser Gly Gly Gly Ser Ala Leu Ala
 20 25 30
 Gly Gly Ala Gly Gly Gly Ala Gly Arg Lys Glu Asp Trp Asn Glu Ile
 35 40 45
 Asp Pro Ile Lys Lys Lys Asp Leu His His Ser Asn Gly Glu Glu Lys
 50 55 60
 Ala Gln Ser Met Glu Thr Leu Pro Pro Gly Lys Val Arg Trp Pro Asp
 65 70 75 80
 Phe Asn Gln Glu Ala Tyr Val Gly Gly Thr Met Val Arg Ser Gly Gln
 85 90 95
 Asp Pro Tyr Ala Arg Asn Lys Phe Asn Gln Val Glu Ser Asp Lys Leu
 100 105 110
 Arg Met Asp Arg Ala Ile Pro Asp Thr Arg His Asp Gln Cys Gln Arg
 115 120 125
 Lys Gln Trp Arg Val Asp Leu Pro Ala Thr Ser Val Val Ile Thr Phe
 130 135 140
 His Asn Glu Ala Arg Ser Ala Leu Leu Arg Thr Val Val Ser Val Leu
 145 150 155 160
 Lys Lys Ser Pro Pro His Leu Ile Lys Glu Ile Ile Leu Val Asp Asp
 165 170 175
 Tyr Ser Asn Asp Pro Glu Asp Gly Ala Leu Leu Gly Lys Ile Glu Lys
 180 185 190
 Val Arg Val Leu Arg Asn Asp Arg Arg Glu Gly Leu Met Arg Ser Arg
 195 200 205
 Val Arg Gly Ala Asp Ala Ala Gln Ala Lys Val Leu Thr Phe Leu Asp
 210 215 220
 Ser His Cys Glu Cys Asn Glu His Trp Leu Glu Pro Leu Leu Glu Arg

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225          230          235          240
Val Ala Glu Asp Arg Thr Arg Val Val Ser Pro Ile Ile Asp Val Ile
          245          250          255
Asn Met Asp Asn Phe Gln Tyr Val Gly Ala Ser Ala Asp Leu Lys Gly
          260          265          270
Gly Phe Asp Trp Asn Leu Val Phe Lys Trp Asp Tyr Met Thr Pro Glu
          275          280          285
Gln Arg Arg Ser Arg Gln Gly Asn Pro Val Ala Pro Ile Lys Thr Pro
          290          295          300
Met Ile Ala Gly Gly Leu Phe Val Met Asp Lys Phe Tyr Phe Glu Glu
305          310          315          320
Leu Gly Lys Tyr Asp Met Met Met Asp Val Trp Gly Gly Glu Asn Leu
          325          330          335
Glu Ile Ser Phe Arg Val Trp Gln Cys Gly Gly Ser Leu Glu Ile Ile
          340          345          350
Pro Cys Ser Arg Val Gly His Val Phe Arg Lys Gln His Pro Tyr Thr
          355          360          365
Phe Pro Gly Gly Ser Gly Thr Val Phe Ala Arg Asn Thr Arg Arg Ala
370          375          380
Ala Glu Val Trp Met Asp Glu Tyr Lys Asn Phe Tyr Tyr Ala Ala Val
385          390          395          400
Pro Ser Ala Arg Asn Val Pro Tyr Gly Asn Ile Gln Ser Arg Leu Glu
          405          410          415
Leu Arg Lys Lys Leu Ser Cys Lys Pro Phe Lys Trp Tyr Leu Glu Asn
          420          425          430
Val Tyr Pro Glu Leu Arg Val Pro Asp His Gln Asp Ile Ala Phe Gly
          435          440          445
Ala Leu Gln Gln Gly Thr Asn Cys Leu Asp Thr Leu Gly His Phe Ala
450          455          460
Asp Gly Val Val Gly Val Tyr Glu Cys His Asn Ala Gly Gly Asn Gln
465          470          475          480
Glu Trp Ala Leu Thr Lys Glu Lys Ser Val Lys His Met Asp Leu Cys
          485          490          495
Leu Thr Val Val Asp Arg Ala Pro Gly Ser Leu Ile Lys Leu Gln Gly
          500          505          510
Cys Arg Glu Asn Asp Ser Arg Gln Lys Trp Glu Gln Ile Glu Gly Asn
          515          520          525
Ser Lys Leu Arg His Val Gly Ser Asn Leu Cys Leu Asp Ser Arg Thr
530          535          540
Ala Lys Ser Gly Gly Leu Ser Val Glu Val Cys Gly Pro Ala Leu Ser
545          550          555          560
Gln Gln Trp Lys Phe Thr Leu Asn Leu Gln Gln *
          565          570 571

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<210> 1580

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1580

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Met Glu Arg Pro Leu Cys Ser His Leu Cys Ser Cys Leu Ala Met Leu
1          5          10          15
Ala Leu Leu Ser Pro Leu Ser Leu Ala Gln Tyr Asp Ser Trp Pro His
          20          25          30
Tyr Pro Glu Tyr Phe Gln Gln Pro Ala Pro Glu Tyr His Gln Pro Gln
          35          40          45

```

Ala Pro Ala Asn Val Ala Lys Ile Gln Leu Arg Leu Ala Gly Gln Lys
 50 55 60
 Arg Lys His Ser Glu Gly Pro Gly Gly Gly Val Leu *
 65 70 75 76

<210> 1581
 <211> 494
 <212> PRT
 <213> Homo sapiens

<400> 1581
 Met Gly Ser Leu Gln Pro Leu Ala Thr Leu Tyr Leu Leu Gly Met Leu
 1 5 10 15
 Val Ala Ser Cys Leu Gly Arg Leu Ser Trp Tyr Asp Pro Asp Phe Gln
 20 25 30
 Ala Arg Leu Thr Arg Ser Asn Ser Lys Cys Gln Gly Gln Leu Glu Val
 35 40 45
 Tyr Leu Lys Asp Gly Trp His Met Val Cys Ser Gln Ser Trp Gly Arg
 50 55 60
 Ser Ser Lys Gln Trp Glu Asp Pro Ser Gln Ala Ser Lys Val Cys Gln
 65 70 75 80
 Arg Leu Asn Cys Gly Val Pro Leu Ser Leu Gly Pro Phe Leu Val Thr
 85 90 95
 Tyr Thr Pro Gln Ser Ser Ile Ile Cys Tyr Gly Gln Leu Gly Ser Phe
 100 105 110
 Ser Asn Cys Ser His Ser Arg Asn Asp Met Cys His Ser Leu Gly Leu
 115 120 125
 Thr Cys Leu Glu Pro Gln Lys Thr Thr Pro Pro Thr Thr Arg Pro Pro
 130 135 140
 Pro Thr Thr Thr Pro Glu Pro Thr Ala Pro Pro Arg Leu Gln Leu Val
 145 150 155 160
 Ala Gln Ser Gly Gly Gln His Cys Ala Gly Val Val Glu Phe Tyr Ser
 165 170 175
 Gly Ser Leu Gly Gly Thr Ile Ser Tyr Glu Ala Gln Asp Lys Thr Gln
 180 185 190
 Asp Leu Glu Asn Phe Leu Cys Asn Asn Leu Gln Cys Gly Ser Phe Leu
 195 200 205
 Lys His Leu Pro Glu Thr Glu Ala Gly Arg Ala Gln Asp Pro Gly Glu
 210 215 220
 Pro Arg Glu His Gln Pro Leu Pro Ile Gln Trp Lys Ile Gln Asn Ser
 225 230 235 240
 Ser Cys Thr Ser Leu Glu His Cys Phe Arg Lys Ile Lys Pro Gln Lys
 245 250 255
 Ser Gly Arg Val Leu Ala Leu Leu Cys Ser Gly Phe Gln Pro Lys Val
 260 265 270
 Gln Ser Arg Leu Val Gly Gly Ser Ser Ile Cys Glu Gly Thr Val Glu
 275 280 285
 Val Arg Gln Gly Ala Gln Trp Ala Ala Leu Cys Asp Ser Ser Ser Ala
 290 295 300
 Arg Ser Ser Leu Arg Trp Glu Glu Val Cys Arg Glu Gln Gln Cys Gly
 305 310 315 320
 Ser Val Asn Ser Tyr Arg Val Leu Asp Ala Gly Asp Pro Thr Ser Arg
 325 330 335
 Gly Leu Phe Cys Pro His Gln Lys Leu Ser Gln Cys His Glu Leu Trp
 340 345 350
 Glu Arg Asn Ser Tyr Cys Lys Lys Val Phe Val Thr Cys Gln Asp Pro

```

      355      360      365
Asn Pro Ala Gly Leu Ala Ala Gly Thr Val Ala Ser Ile Ile Leu Ala
  370      375      380
Leu Val Leu Leu Val Val Leu Leu Val Val Cys Gly Pro Leu Ala Tyr
  385      390      395      400
Lys Lys Leu Val Lys Lys Phe Arg Gln Lys Lys Gln Arg Gln Trp Ile
      405      410      415
Gly Pro Thr Gly Met Asn Gln Asn Met Ser Phe His Arg Asn His Thr
      420      425      430
Ala Thr Val Arg Ser His Ala Glu Asn Pro Thr Ala Ser His Val Asp
      435      440      445
Asn Glu Tyr Ser Gln Pro Pro Arg Asn Ser Arg Leu Ser Ala Tyr Pro
      450      455      460
Ala Leu Glu Gly Ala Leu His Arg Ser Ser Met Gln Pro Asp Asn Ser
  465      470      475      480
Ser Asp Ser Asp Tyr Asp Leu His Gly Ala Gln Arg Leu *
      485      490      493

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<210> 1582
<211> 329
<212> PRT
<213> Homo sapiens

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      <400> 1582
Met Gln Gly Leu Cys Ile Ser Val Ala Val Phe Leu His Tyr Phe Leu
  1      5      10      15
Leu Val Ser Phe Thr Trp Met Gly Leu Glu Ala Phe His Met Tyr Leu
      20      25      30
Ala Leu Val Lys Val Phe Asn Thr Tyr Ile Arg Lys Tyr Ile Leu Lys
      35      40      45
Phe Cys Ile Val Gly Trp Gly Val Pro Ala Val Val Val Thr Ile Ile
      50      55      60
Leu Thr Ile Ser Pro Asp Asn Tyr Gly Leu Gly Ser Tyr Gly Lys Phe
      65      70      75      80
Pro Asn Gly Ser Pro Asp Asp Phe Cys Trp Ile Asn Asn Asn Ala Val
      85      90      95
Phe Tyr Ile Thr Val Val Gly Tyr Phe Cys Val Ile Phe Leu Leu Asn
      100      105      110
Val Ser Met Phe Ile Val Val Leu Val Gln Leu Cys Arg Ile Lys Lys
      115      120      125
Lys Lys Gln Leu Gly Ala Gln Arg Lys Thr Ser Ile Gln Asp Leu Arg
      130      135      140
Ser Ile Ala Gly Leu Thr Phe Leu Leu Gly Ile Thr Trp Gly Phe Ala
  145      150      155      160
Phe Phe Ala Trp Gly Pro Val Asn Val Thr Phe Met Tyr Leu Phe Ala
      165      170      175
Ile Phe Asn Thr Leu Gln Gly Phe Phe Ile Phe Ile Phe Tyr Cys Val
      180      185      190
Ala Lys Glu Asn Val Arg Lys Gln Trp Arg Arg Tyr Leu Cys Cys Gly
      195      200      205
Lys Leu Arg Leu Ala Glu Asn Ser Asp Trp Ser Lys Thr Ala Thr Asn
      210      215      220
Gly Leu Lys Lys Gln Thr Val Asn Gln Gly Val Ser Ser Ser Ser Asn
  225      230      235      240
Ser Leu Gln Ser Ser Ser Asn Ser Thr Asn Ser Thr Thr Leu Leu Val
      245      250      255

```

Asn Asn Asp Cys Ser Val His Ala Ser Gly Asn Gly Asn Ala Ser Thr
 260 265 270
 Glu Arg Asn Gly Val Ser Phe Ser Val Gln Asn Gly Asp Val Cys Leu
 275 280 285
 His Asp Phe Thr Gly Lys Gln His Met Phe Asn Glu Lys Glu Asp Ser
 290 295 300
 Cys Asn Gly Lys Gly Arg Met Ala Leu Arg Arg Thr Ser Lys Arg Gly
 305 310 315 320
 Ser Leu His Phe Ile Glu Gln Met *
 325 328

<210> 1583
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1583
 Met Gly Met Gly Arg Leu Leu Pro Met Ala Trp Val Leu Ala Gly Ile
 1 5 10 15
 Pro Thr Gly Ala Gln Gln Ser Trp Arg Arg Pro Trp Ser Gly Ser Ala
 20 25 30
 Pro Arg Cys Ala Ser Cys Gly Ser Ala Trp Arg Cys Cys Ala Val Arg
 35 40 45 48
 *

<210> 1584
 <211> 671
 <212> PRT
 <213> Homo sapiens

<400> 1584
 Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
 1 5 10 15
 Phe Arg Ala Leu Ser Asp Ala Phe Phe Thr Cys Arg Lys Asn Val Leu
 20 25 30
 Leu Ala Asn Ser Ser Ser Pro Gln Val Glu Gly Asp Phe Ala Met Ala
 35 40 45
 Pro Arg Gly Pro Glu Gln Glu Glu Cys Glu Gly Leu Leu Gln Gln Trp
 50 55 60
 Arg Glu Glu Gly Leu Ser Gln Val Leu Ser Thr Ala Ser Glu Gly Pro
 65 70 75 80
 Leu Ile Asp Lys Gly Leu Ala Gln Ser Ser Leu Ala Leu Leu Met Asp
 85 90 95
 Asn Pro Gly Glu Glu Asn Ala Ala Ser Glu Asp Arg Trp Ser Ser Arg
 100 105 110
 Gln Leu Ser Asp Leu Arg Ala Ala Glu Asn Leu Asp Glu Pro Phe Pro
 115 120 125
 Glu Met Leu Gly Glu Glu Pro Leu Leu Glu Val Glu Gly Val Glu Gly
 130 135 140
 Ser Met Trp Ala Ala Ile Pro Met Gln Ser Glu Pro Gln Tyr Ala Asp
 145 150 155 160
 Cys Ala Ala Leu Pro Val Gly Ala Leu Ala Thr Glu Gln Trp Glu Glu

897

Leu Trp Ala Ala Asn Gly Leu Pro Asn Pro Phe Cys Ser Ser Asp His
 645 650 655
 Leu Cys Leu Leu Ala Ser Leu Gly Met Glu Val Thr Ala Pro *
 660 665 670

<210> 1585
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 1585
 Met Met Cys Leu Lys Ile Leu Arg Ile Ser Leu Ala Ile Leu Ala Gly
 1 5 10 15
 Trp Ala Leu Cys Ser Ala Asn Ser Glu Leu Gly Trp Thr Arg Lys Lys
 20 25 30
 Ser Leu Val Glu Arg Glu His Leu Asn Gln Val Leu Leu Glu Gly Glu
 35 40 45
 Arg Cys Trp Leu Gly Ala Lys Val Arg Arg Pro Arg Ala Ser Pro Gln
 50 55 60
 His His Leu Phe Gly Val Tyr Pro Ser Arg Ala Gly Asn Tyr Leu Arg
 65 70 75 80
 Pro Tyr Pro Val Gly Glu Gln Glu Ile His His Thr Gly Arg Ser Lys
 85 90 95
 Pro Asp Thr Glu Gly Asn Ala Val Ser Leu Val Pro Pro Asp Leu Thr
 100 105 110
 Glu Asn Pro Ala Gly Leu Arg Gly Ala Val Glu Glu Pro Ala Ala Pro
 115 120 125
 Trp Val Gly Asp Ser Pro Ile Gly Gln Ser Glu Leu Leu Gly Asp Asp
 130 135 140
 Asp Ala Tyr Leu Gly Asn Gln Arg Ser Lys Glu Ser Leu Gly Glu Ala
 145 150 155 160
 Gly Ile Gln Lys Gly Ser Ala Met Ala Ala Thr Thr Thr Thr Ala Ile
 165 170 175
 Phe Thr Thr Leu Asn Glu Pro Lys Pro Glu Thr Gln Arg Arg Gly Trp
 180 185 190
 Ala Lys Ser Arg Gln Arg Arg Gln Val Trp Lys Arg Arg Ala Glu Asp
 195 200 205
 Gly Gln Gly Asp Ser Gly Ile Ser Ser His Phe Gln Pro Trp Pro Lys
 210 215 220
 His Ser Leu Lys His Arg Val Lys Lys Ser Pro Pro Glu Glu Ser Asn
 225 230 235 240
 Gln Asn Gly Gly Glu Gly Ser Tyr Arg Glu Ala Glu Thr Phe Asn Ser
 245 250 255
 Gln Val Gly Leu Pro Ile Leu Tyr Phe Ser Gly Arg Arg Glu Arg Leu
 260 265 270
 Leu Leu Arg Pro Glu Val Leu Ala Glu Ile Pro Arg Glu Ala Phe Thr
 275 280 285
 Val Glu Ala Trp Val Lys Pro Glu Gly Gly Gln Asn Asn Pro Ala Ile
 290 295 300
 Ile Ala Gly Asn Thr Leu Leu Gly Phe Leu Lys Ser *
 305 310 315 317

<210> 1586
 <211> 80

<212> PRT

<213> Homo sapiens

<400> 1586

```

Met Ile Ala Leu Thr Gln Leu Leu Thr Phe Ile Leu Ser Cys Asn Ser
 1           5           10           15
Ser Leu Leu His Ile Phe Pro Phe Cys Glu Gln Val Leu Val Glu Asn
          20           25           30
Gly Thr Lys Ala Gly His Ser Leu Leu Met Asp Ala Arg Asp Leu Val
          35           40           45
Leu Lys Gly Lys Glu Lys Ser Pro Leu Asp Pro Arg Pro Gly Phe Val
          50           55           60
Phe Ala Pro Val Ser Ile Thr Ser Ala Cys Pro Thr Thr Arg Ile *
65           70           75           79

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<210> 1587

<211> 316

<212> PRT

<213> Homo sapiens

<400> 1587

```

Met Phe Phe Gly Ser Ala Ala Leu Gly Thr Leu Thr Gly Leu Ile Ser
 1           5           10           15
Ala Leu Val Leu Lys His Ile Asp Leu Arg Lys Thr Pro Ser Leu Glu
          20           25           30
Phe Gly Met Met Ile Ile Phe Ala Tyr Leu Pro Tyr Gly Leu Ala Glu
          35           40           45
Gly Ile Ser Leu Ser Gly Ile Met Ala Ile Leu Phe Ser Gly Ile Val
          50           55           60
Met Ser His Tyr Thr His His Asn Leu Ser Pro Val Thr Gln Ile Leu
65           70           75           80
Met Gln Gln Thr Leu Arg Thr Val Ala Phe Leu Cys Glu Thr Cys Val
          85           90           95
Phe Ala Phe Leu Gly Leu Ser Ile Phe Ser Phe Pro His Lys Phe Glu
          100          105          110
Ile Ser Phe Val Ile Trp Cys Ile Val Leu Val Leu Phe Gly Arg Ala
          115          120          125
Val Asn Ile Phe Pro Leu Ser Tyr Leu Leu Asn Phe Phe Arg Asp His
          130          135          140
Lys Ile Thr Pro Lys Met Met Phe Ile Met Trp Phe Ser Gly Leu Arg
145          150          155          160
Gly Ala Ile Pro Tyr Ala Leu Ser Leu His Leu Asp Leu Glu Pro Met
          165          170          175
Glu Lys Arg Gln Leu Ile Gly Thr Thr Thr Ile Val Ile Val Leu Phe
          180          185          190
Thr Ile Leu Leu Leu Gly Gly Ser Thr Met Pro Leu Ile Arg Leu Met
          195          200          205
Asp Ile Glu Asp Ala Lys Ala His Arg Arg Asn Lys Lys Asp Val Asn
210          215          220
Leu Ser Lys Thr Glu Lys Met Gly Asn Thr Val Glu Ser Glu His Leu
225          230          235          240
Ser Glu Leu Thr Glu Glu Glu Tyr Glu Ala His Tyr Ile Arg Arg Gln
          245          250          255
Asp Leu Lys Gly Phe Val Trp Leu Asp Ala Lys Tyr Leu Asn Pro Phe
260          265          270

```

Phe Thr Arg Arg Leu Thr Gln Glu Asp Leu His His Gly Arg Ile Gln
 275 280 285
 Met Lys Thr Leu Thr Asn Lys Trp Tyr Glu Glu Val Arg Gln Gly Pro
 290 295 300
 Ser Gly Ser Glu Asp Asp Glu Gln Glu Leu Leu *
 305 310 315

<210> 1588
 <211> 53
 <212> PRT
 <213> Homo sapiens
 <221> misc_feature
 <222> (1)...(53)
 <223> Xaa = any amino acid or nothing

<400> 1588
 Met Cys Ser Leu Met Phe Gly Ser Ser Val Phe Val Cys Phe Pro Pro
 1 5 10 15
 Cys Val Pro Leu Pro Ala Pro His Ser Gly Gly Pro Pro His Arg Ala
 20 25 30
 Gly Arg Ser Val Phe Ser Ala Met Lys Leu Gly Lys Xaa Arg Ser His
 35 40 45
 Lys Glu Glu Pro Gln
 50 53

<210> 1589
 <211> 437
 <212> PRT
 <213> Homo sapiens

<400> 1589
 Met Leu Lys Val Ser Ala Val Leu Cys Val Cys Ala Ala Ala Trp Cys
 1 5 10 15
 Ser Gln Ser Leu Ala Ala Ala Ala Val Ala Ala Ala Gly Gly Arg
 20 25 30
 Ser Asp Gly Gly Asn Phe Leu Asp Asp Lys Gln Trp Leu Thr Thr Ile
 35 40 45
 Ser Gln Tyr Asp Lys Glu Val Gly Gln Trp Asn Lys Phe Arg Asp Glu
 50 55 60
 Val Glu Asp Asp Tyr Phe Arg Thr Trp Ser Pro Gly Lys Pro Phe Asp
 65 70 75 80
 Gln Ala Leu Asp Pro Ala Lys Asp Pro Cys Leu Lys Met Lys Cys Ser
 85 90 95
 Arg His Lys Val Cys Ile Ala Gln Asp Ser Gln Thr Ala Val Cys Ile
 100 105 110
 Ser His Arg Arg Leu Thr His Arg Met Lys Glu Ala Gly Val Asp His
 115 120 125
 Arg Gln Trp Arg Gly Pro Ile Leu Ser Thr Cys Lys Gln Cys Pro Val
 130 135 140
 Val Tyr Pro Ser Pro Val Cys Gly Ser Asp Gly His Thr Tyr Ser Phe
 145 150 155 160
 Gln Cys Lys Leu Glu Tyr Gln Ala Cys Val Leu Gly Lys Gln Ile Ser

[illegible]

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<210> 1590
<211> 49
<212> PRT
<213> Homo sapiens
```

[illegible]

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<210> 1591
<211> 73
<212> PRT
```

<213> Homo sapiens

<400> 1591

```

Met Ser Leu Asn Val Leu Leu Ala Leu Phe Cys Leu Leu Leu Ala Lys
 1           5           10           15
Glu Arg Thr Thr Thr Lys Arg Cys Ile Ser Cys Leu Pro Phe Ser Thr
          20           25           30
Phe Phe Ser Phe Gly Pro Leu Gln Lys Val Thr Asp Pro Ser Ser Trp
          35           40           45
Ala Leu Ala Phe Ser Val Cys Gln Ala Cys Thr Arg Ser Glu Leu Pro
          50           55           60
Gly Ala Leu Arg Thr Arg Gly Ser Thr
 65           70           73

```

<210> 1592

<211> 62

<212> PRT

<213> Homo sapiens

<400> 1592

```

Met Tyr Phe Ser Leu Ile Phe Leu Val Phe Phe Phe Leu Ser Leu Pro
 1           5           10           15
Leu Ser Ser Ser Ser Ser Glu Pro Thr Ser Ser Ile Leu Gly Phe Ser
          20           25           30
Ser Ser Ser Leu Ser Ser Ser Ser Phe Ser Pro Phe Ser Ser Ser Ala
          35           40           45
Ser Ser Ser Leu Ile Ser Phe Ser Arg Ser Phe Ser Lys *
          50           55           60 61

```

<210> 1593

<211> 128

<212> PRT

<213> Homo sapiens

<400> 1593

```

Met Arg Ala Met Leu Gly Thr Cys Ala Leu Gly Gln Phe Phe Leu Ile
 1           5           10           15
Met Gly Asn Thr Gln Arg Cys Asp Asp Phe Pro Thr Glu Ser Pro Pro
          20           25           30
Ala Lys Thr Asn Val Ser Arg Ala Gly Leu Ser Pro Pro Cys Glu Ala
          35           40           45
Leu His Gly Val Glu Ser Arg Gly Ser Cys Ser His Gly Lys Leu Gln
          50           55           60
Ser Pro Pro Gly Arg Asp Trp Pro Gln Gly Asp Pro Gln Asp Arg Pro
          65           70           75           80
Lys Arg Arg Trp Gln Arg Pro Gly Pro Ala Gly Arg Gly Ala Pro Asp
          85           90           95
Pro Thr Pro Lys Gly Gln Gly Ala Ala Val Pro Pro Arg Ser Ala Ser
          100          105          110
Met Phe Leu Ile His Lys Gln Met Trp Ala Tyr Gly Phe Gly Asp *
          115          120          125          127

```

<210> 1594
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1594
 Met Ile Trp Ala Leu Ser Ser Ser Leu Ile Pro Phe Leu Ile Ala Leu
 1 5 10 15
 Cys Phe Val His Ser Ala Asn Ser His Leu Gln Val Leu Val Ile Cys
 20 25 30
 Ser Ser Leu Phe Leu Glu Pro Pro Pro His Asn Phe Met *
 35 40 45

<210> 1595
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 1595
 Met Trp Glu Glu Leu Leu Arg Gly Leu Thr Ala Pro Tyr Trp Leu Ser
 1 5 10 15
 Ser Trp Leu Cys Phe Ser Trp Arg Ala Ala Thr Val Ala Val Ala Val
 20 25 30
 Ala Val Ala Val Ala Ala Ala Ala Thr Ala Ala Ala Ala Ala
 35 40 45
 Cys Val Lys Ser Val Glu Gly Leu Ala Ala Cys Glu Gly Arg Pro Arg
 50 55 60
 Pro Pro Gly Pro Pro Ala Tyr Leu Gln Glu Thr Gln Asp Cys His Ala
 65 70 75 80
 Leu Cys Val Gly Ser *
 85

<210> 1596
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1596
 Met Val Leu Ser Trp Leu Thr Leu Ile Glu Ala Leu Ala Asp Val Met
 1 5 10 15
 Thr Thr Asp Gly Asn Met Leu Gln Leu Phe Cys Val Glu Arg Thr Asn
 20 25 30
 Leu Leu Val Asn Gln Ile Arg Met Thr Leu Tyr Ala Gln Tyr Arg His
 35 40 45
 Val Arg Pro Phe Arg Thr Ile Met Lys Pro Ile Leu Thr Arg Glu Val
 50 55 60
 Gln Thr Lys Asp *
 65 68

<210> 1597
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1597
 Met Phe Leu Leu Phe Ser Arg Ile Ser Asn Leu Met Phe Val Asn His
 1 5 10 15
 Lys Leu Pro Met Leu Ile Thr Glu Asn Lys Gln Val Ser Lys Glu Glu
 20 25 30
 Asn Lys Ala Thr His Ser His Arg Ser Ser Phe Gln Ser Ser Thr Ile
 35 40 45
 Ser Ser Arg Leu Asn Leu Ile *
 50 55

<210> 1598
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 1598
 Met His Glu Ser Pro Leu Ala Trp Ala Ser Val His Leu Ser Ser Leu
 1 5 10 15
 Pro Leu Leu Cys Thr Ala Cys Ser Ser Pro Leu Met Gly Asn Ser Val
 20 25 30
 Leu Cys Arg Ala Pro Ala Asp Met Gly Leu Ala Trp Met Leu Leu Leu
 35 40 45
 Ser Glu Pro Arg Arg Val Val Pro Gly Ile Ala Ala Gln Val Leu Thr
 50 55 60
 Ala Leu Arg Arg Arg Leu Ser Gly Thr Leu Pro Ser Phe Pro Arg
 65 70 75 80
 Arg Lys Asn Pro Leu His Glu His Leu Leu Ala Phe Ile Val Arg Leu
 85 90 95 96
 *

<210> 1599
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 1599
 Met Thr Val Ser Gly Thr Val Val Leu Val Ala Gly Thr Leu Cys Phe
 1 5 10 15
 Ala Trp Trp Ser Glu Gly Asp Ala Thr Ala Gln Pro Gly Gln Leu Ala
 20 25 30
 Pro Pro Thr Glu Tyr Pro Val Pro Glu Gly Pro Ser Pro Leu Leu Arg
 35 40 45
 Ser Val Ser Phe Val Cys Cys Gly Ala Gly Gly Leu Leu Leu Ile
 50 55 60
 Gly Leu Leu Trp Ser Val Lys Ala Ser Ile Pro Gly Pro Pro Arg Trp

65 70 75 80
 Asp Pro Tyr His Leu Ser Arg Asp Leu Tyr Tyr Leu Thr Val Glu Ser
 85 90 95
 Ser Glu Lys Glu Ser Cys Arg Thr Pro Lys Val Val Asp Ile Pro Asp
 100 105 110 112
 *

<210> 1600
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1600
 Met Gly Ala Trp Ala Trp Val Pro Thr Pro Ser Leu Cys Leu Cys His
 1 5 10 15
 Ser Thr Cys Leu Glu Phe Leu Leu Phe Leu Tyr Ile Leu Phe Tyr Cys
 20 25 30
 Ile Phe Glu Thr Val Ser Leu Ser Pro Arg Leu Glu Arg Ser Gly Ala
 35 40 45
 Ile Leu Ala Arg Cys Asn Leu Cys Leu Arg Gly Ser Ser Asp Ser Arg
 50 55 60
 Ala Leu Ala Ser Arg Val Ala Glu Thr Thr Gly Met His His His Ala
 65 70 75 80
 Trp Leu Ile Phe Ala Phe Leu Val Glu Thr Gly Phe His His Val Gly
 85 90 95
 Gln Ala Gly Leu Asn Ser *
 100 102

<210> 1601
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1601
 Met Val Ala Leu Leu Cys Arg Gln Ile Ile Ser Ala Ala Phe Ser Gly
 1 5 10 15
 Glu Gly Thr Pro Leu Cys Ser Trp Ser Ser Gly Pro Ile Leu Ser Ser
 20 25 30
 Val Cys Leu Leu Cys Pro Leu Ala Val Leu Cys Pro Ala Lys Pro Glu
 35 40 45
 Pro Arg Ala Phe Thr Asp Leu Arg Gly Glu Glu Val Cys Ala Asp Trp
 50 55 60
 Phe Met Gly Gly His Gly Arg Val Glu Arg Gly Thr Met Ser Pro His
 65 70 75 80
 Ser Gly Leu *
 83

<210> 1602
 <211> 91
 <212> PRT

<213> Homo sapiens

<400> 1602

```

Met Lys Thr Leu Pro Val Leu Val Leu Ser Leu Thr Leu Leu Thr Val
 1          5          10          15
Phe Ser Glu Thr Ser Pro Ile Leu Thr Glu Lys Gln Ala Lys Gln Leu
          20          25          30
Leu Arg Ser Arg Arg Gln Asp Arg Pro Ser Lys Pro Gly Phe Pro Asp
          35          40          45
Glu Pro Met Arg Glu Tyr Met His His Leu Leu Ala Leu Glu His Arg
          50          55          60
Ala Glu Glu Gln Phe Leu Glu His Trp Leu Asn Pro His Cys Lys Pro
65          70          75          80
His Cys Asp Arg Asn Arg Ile His Pro Val *
          85          90

```

<210> 1603

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1603

```

Met Lys Arg Asp Val Leu Ile Thr Glu Thr Phe Cys Ile Leu Phe Trp
 1          5          10          15
Leu Cys Ala Phe Ser Ser Met Asn Asp Tyr Val Phe Lys Pro His Val
          20          25          30
Leu Tyr Ile Asp Cys Pro Leu Lys Arg Leu Asp Ser Ser Val Cys Gln
          35          40          45
His Ile Gly Thr Glu Tyr Asn Tyr Thr Leu Ile Ile Ser Gln Val Phe
          50          55          60
Ile Leu Glu Val *
65          68

```

<210> 1604

<211> 83

<212> PRT

<213> Homo sapiens

<400> 1604

```

Met Leu Gln Pro Met Phe Phe Thr Leu Ser Thr His Leu Val Gly Leu
 1          5          10          15
Ser Gln Ile Ser Tyr Leu Ser Phe Pro Leu Ile Ser Leu His Pro Ala
          20          25          30
Gln Val Val Lys Arg Gln Ser Ser Leu Pro Arg Leu Met Gln Ser Ser
          35          40          45
Lys Glu Ser Lys Ala Val Leu Val Glu Ile Ile Leu Arg Ala Arg Lys
          50          55          60
Val Val Lys Tyr Ile Ser Lys Gly Phe Leu Arg Ala Val Cys Ala Glu
65          70          75          80
Met Ile *
82

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<210> 1605
 <211> 110
 <212> PRT
 <213> Homo sapiens

<221> misc_feature
 <222> (1)...(110)
 <223> Xaa = any amino acid or nothing

<400> 1605
 Met Ser Thr Ile Ile Phe Gln Trp Pro Phe Met Leu Val Ser Leu His
 1 5 10 15
 Arg Cys Arg Lys Leu Pro Arg Ala Leu Lys Asp Trp Gln Ala Phe Leu
 20 25 30
 Asp Leu Lys Lys Ile Ile Asp Asp Phe Ser Glu Cys Cys Pro Leu Leu
 35 40 45
 Glu Tyr Met Gly Ser Lys Ala Met Met Glu Arg His Xaa Glu Arg Ile
 50 55 60
 Thr Thr Leu Thr Gly His Ser Leu Asp Val Gly Asn Glu Ser Phe Lys
 65 70 75 80
 Leu Arg Asn Ile Met Glu Ala Pro Leu Leu Xaa Tyr Lys Glu Glu Ile
 85 90 95
 Glu Val Glu Tyr Asp Val Met Glu Asp Cys Lys Val Ser Trp
 100 105 110

<210> 1606
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1606
 Met Thr Ala Gly Thr Val Thr Met Leu Leu Trp His Ala Ser Asn Trp
 1 5 10 15
 Asp Val Gln Leu Pro Ser Gln Pro Leu Val Glu Leu Thr Pro Val Arg
 20 25 30
 Asp Leu Asp Thr Ser Gly Leu Thr Ala Phe Leu Ala Arg Asp Met Asn
 35 40 45
 Leu Leu Ser Gly Asn Val Asn Thr Met Asn Gly Glu Ser Ile Ile Ala
 50 55 60
 Ile Thr Met Lys Met Leu Ala *
 65 70 71

<210> 1607
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1607
 Met Phe Thr Arg Phe Ile Gly Leu Phe Leu Lys Phe Ile Leu Met Phe
 1 5 10 15

Phe Leu Leu Leu Ser Phe Ile Ser Tyr Phe Cys Leu Phe Pro Cys Ser
 20 25 30
 Asn Leu Pro Lys Val Ile Ala Ile Phe Asn Ile Val Leu Ile Leu Ser
 35 40 45
 Ile Val Phe Arg Glu Ile Thr Asp Thr Tyr *
 50 55 58

<210> 1608
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 1608
 Met Leu Val Thr Asp Thr Glu Ala Phe Trp Gln Pro Gln Pro Trp Phe
 1 5 10 15
 Val Val Val Leu Thr Ala Thr Gly Ala Leu Leu Leu Ala Leu Gly
 20 25 30
 Trp Leu Leu Gly Arg Leu Leu Gln Gly Leu Ala Gln Leu Leu Gln Ala
 35 40 45
 Pro Ser Lys Pro Ala Gln Ala Leu Leu Leu Asn Ser Ile Gln Gly Thr
 50 55 60
 Glu Gly Ser Ile Glu Gly Phe Leu Glu Ala Pro Lys Met Glu Met Ser
 65 70 75 80
 Gln Ala Pro Ser Ser Val Met Ser Leu Gln His Phe Asp Gly Arg Thr
 85 90 95
 Gln Asp Ser Arg Thr Gly Arg Asp Tyr Leu Val Asn Thr His Thr Gly
 100 105 110
 Ala Arg Arg Trp Leu *
 115 117

<210> 1609
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1609
 Met Val Ile Gly Ser Leu His Thr Phe Thr Leu Leu Ala Ala Ser Ser
 1 5 10 15
 Leu Val Asp Thr Pro Lys Gln Ile Gln Leu Leu Met Gln Asn Leu Met
 20 25 30
 Asn Asp Pro Arg Lys Glu Val Lys Ile Leu Ala Ile Gln Asp Leu Lys
 35 40 45
 Leu Leu
 50

<210> 1610
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1610

Met Val Leu Ile Leu Ser Pro Gly Leu Ser Ile Leu Phe Thr Lys Met
 1 5 10 15
 Ser Glu Thr Phe Ser Ser Ser Leu Leu Lys Leu Ser Ser Ser Ile Cys
 20 25 30
 Ile Phe Pro Leu Cys Ile Asn Met Ile Ile Cys Tyr Gln Lys Lys Ser
 35 40 45
 Gln *
 49

<210> 1611

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1611

Met Ser Phe Gln Ala Phe Val Phe Leu Met Ile Gly Trp Leu His Pro
 1 5 10 15
 Asp Pro Arg Leu Met Thr Gln Arg Ser Cys Gly Pro His Pro Glu Val
 20 25 30
 Asp Ser Ala Gln Glu Asp His Phe Ser His Pro Tyr Asp Ile Pro Asn
 35 40 45
 Gln Ser Ala Pro Pro Leu Pro *
 50 55

<210> 1612

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1612

Met Leu Thr Leu Ala Leu Leu Val Leu Arg Ile Cys Val Cys Glu Ala
 1 5 10 15
 Ala Ser Thr Phe Val Cys Pro Cys Leu Pro Trp Leu Ser Leu Leu Phe
 20 25 30
 Leu His Leu Leu Pro Arg Leu Phe Gln Val Gln Ile Trp Phe Leu Leu
 35 40 45
 Phe Leu Pro Phe Leu Leu Leu Leu Pro Ser Val Pro Glu Ile Phe Pro
 50 55 60
 Ala Pro Gln Ala Trp Gly Leu Gly Cys Ser *
 65 70 74

<210> 1613

<211> 192

<212> PRT

<213> Homo sapiens

<400> 1613

Met Phe Thr Cys Leu Phe Leu Phe Ser Ala Val Leu Arg Ala Leu Phe
 1 5 10 15

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Arg Lys Ser Asp Pro Lys Arg Phe Gln Asn Ile Phe Thr Thr Ile Phe
      20                25                30
Thr Leu Phe Thr Leu Leu Thr Leu Asp Asp Trp Ser Leu Ile Tyr Met
      35                40                45
Asp Ser Arg Ala Gln Gly Ala Trp Tyr Ile Ile Pro Ile Leu Ile Ile
      50                55                60
Tyr Ile Ile Ile Gln Tyr Phe Ile Phe Leu Asn Leu Val Ile Thr Val
      65                70                75                80
Leu Val Asp Ser Phe Gln Thr Ala Leu Phe Lys Gly Leu Glu Lys Ala
      85                90                95
Lys Gln Glu Arg Ala Ala Arg Ile Gln Glu Lys Leu Leu Glu Asp Ser
      100               105               110
Leu Thr Glu Leu Arg Ala Ala Glu Pro Lys Glu Val Ala Ser Glu Gly
      115               120               125
Thr Met Leu Lys Arg Leu Ile Glu Lys Lys Phe Gly Thr Met Thr Glu
      130               135               140
Lys Gln Gln Glu Leu Leu Phe His Tyr Leu Gln Leu Val Ala Ser Val
      145               150               155               160
Glu Gln Glu Gln Gln Lys Phe Arg Ser Gln Ala Ala Val Ile Asp Glu
      165               170               175
Ile Val Asp Thr Thr Phe Glu Ala Gly Glu Glu Asp Phe Arg Asn *
      180               185               190 191

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<210> 1614
<211> 153
<212> PRT
<213> Homo sapiens

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<400> 1614
Met Asp Leu Val Gln Phe Phe Val Thr Phe Phe Ser Cys Phe Leu Ser
  1          5          10          15
Leu Leu Leu Val Ala Ala Val Val Trp Lys Ile Lys Gln Thr Cys Trp
      20                25                30
Ala Ser Arg Arg Arg Glu Gln Leu Leu Arg Glu Arg Gln Gln Met Ala
      35                40                45
Ser Arg Pro Phe Ala Ser Val Asp Val Ala Leu Glu Val Gly Ala Glu
      50                55                60
Gln Thr Glu Phe Leu Arg Gly Pro Leu Glu Gly Ala Pro Lys Pro Ile
      65                70                75                80
Ala Ile Glu Pro Cys Ala Gly Asn Arg Ala Ala Val Leu Thr Val Phe
      85                90                95
Leu Cys Leu Pro Arg Gly Ser Ser Gly Ala Pro Pro Pro Gly Gln Ser
      100               105               110
Gly Leu Ala Ile Ala Ser Ala Leu Ile Asp Ile Ser Gln Gln Lys Ala
      115               120               125
Ser Asp Ser Lys Asp Lys Thr Ser Gly Val Arg Asn Arg Lys His Leu
      130               135               140
Ser Thr Arg Gln Gly Thr Cys Val *
      145               150               152

```

```

<210> 1615
<211> 135
<212> PRT
<213> Homo sapiens

```


<400> 1615

```

Met His Trp Leu Arg Ala Ser Ala Gly Ser Leu Leu Met Val Pro Leu
 1          5          10          15
Met Thr Asp Leu His Glu Leu Ala Leu Pro Pro Ala Ser Leu Arg Thr
          20          25          30
Val Val Lys Glu Asn Met Cys Val Leu Pro Phe Pro Val Lys Thr Ser
          35          40          45
Gly Arg Ser Leu Thr Gly Ser Ala Trp Ser Arg Phe His Leu Pro Cys
          50          55          60
His Leu Arg Pro Gly Asp Arg Leu Pro Cys His Cys Leu Gly Lys Phe
          65          70          75          80
Arg Lys Arg Val Ala Lys Trp Cys Ile Arg Lys Asn Met Ala Arg Ser
          85          90          95
Pro His Leu Leu Gly Gly Arg Pro Asn Ser Thr Ser Gly Pro Leu Cys
          100          105          110
Asp Phe Pro Ala Pro Ser Lys Gln Val Thr Pro Leu Leu Trp Val Ser
          115          120          125
Val Ser Leu Pro Ile Lys *
          130          134

```

<210> 1616

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1616

```

Met Leu His Gln Met Lys Phe Ile Gly His Leu Ile Phe Ile Val Val
 1          5          10          15
Leu Asp Pro Asp Leu Ser Asp Met Lys Asn Asn Glu Pro Tyr Asp Tyr
          20          25          30
Lys Phe Val Lys Trp Met Thr Lys His Lys Val Met Phe Ile Val Leu
          35          40          45
Cys Lys Ile Leu Leu Tyr Phe Ile Val Asn Phe *
          50          55          59

```

<210> 1617

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1617

```

Met Pro Glu His Leu Cys Phe Glu Ile Cys Asn Thr Leu Leu Asn Phe
 1          5          10          15
Phe Ser Phe Leu Leu Cys Val Thr Asp His Glu Thr Thr Phe Phe
          20          25          30
Asp Ser Gly Trp Lys Ala Ser Gly Ser Thr Val Thr Cys Lys Ala Gly
          35          40          45          48
*
```

<210> 1618
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1618
 Met Trp Thr Val Leu Trp His Arg Phe Ser Met Val Leu Arg Leu Pro
 1 5 10 15
 Glu Glu Ala Ser Ala Gln Glu Gly Glu Leu Ser Leu Ser Ser Pro Pro
 20 25 30
 Ser Pro Glu Pro Asp Trp Thr Leu Ile Ser Pro Gln Gly Met Ala Ala
 35 40 45
 Leu Leu Ser Leu Ala Met Ala Thr Phe Thr Gln Glu Pro Gln Leu Cys
 50 55 60
 Leu Ser Cys Leu Ser Gln His Gly Ser Ile Leu Met Ser Ile Leu Lys
 65 70 75 80
 His Leu Leu Cys Pro Ser Phe Leu Asn Gln Leu Arg Gln Ala *
 85 90 94

<210> 1619
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1619
 Met Ile Leu Met Leu Leu Leu Leu Ile Val Asp Leu Val Gln Leu Ala
 1 5 10 15
 Gly Asn Ala Val Ile Ser Ser Gly Ser Trp Asp Ser Ala Cys Thr Gly
 20 25 30
 Thr Pro Ser Pro Ser Thr Pro Ser Thr Trp Pro Gly Pro Thr Ser Ser
 35 40 45
 Ser Ala Pro Arg Phe *
 50 53

<210> 1620
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1620
 Met Cys Cys Ser Phe Leu Leu Glu Gly Leu Ile Ser Leu Phe Ser Leu
 1 5 10 15
 Gln Leu Phe Ser Val Gln Leu Val Leu Leu Phe Phe Leu Trp Ile Val
 20 25 30
 Ser Tyr Ser Lys Lys Gln Ile Lys Asp Thr Phe Ala Lys Thr Lys Asn
 35 40 45
 Thr Val Ala Arg Ile Leu Leu Ser Ile Pro Asp Leu Pro Ser Leu Thr
 50 55 60
 Leu Ile Thr Gln Ile Leu *
 65 70

<210> 1621
 <211> 90
 <212> PRT
 <213> Homo sapiens

 <221> misc_feature
 <222> (1)...(90)
 <223> Xaa = any amino acid or nothing

<400> 1621
 Met Asp His Lys Ser Leu Trp Ala Gly Val Glu Val Leu Leu Leu Leu
 1 5 10 15
 Gln Gly Gly Ser Ala Tyr Lys Leu Val Cys Tyr Phe Thr Asn Trp Ser
 20 25 30
 Gln Asp Arg Gln Glu Pro Gly Lys Phe Thr Pro Glu Asn Ile Asp Pro
 35 40 45
 Phe Leu Cys Ser His Leu Ile Tyr Ser Phe Ala Ser Ile Glu Asn Asn
 50 55 60
 Lys Val Ile Ile Arg Thr Pro Xaa Phe Phe Pro Leu Pro Leu Gly His
 65 70 75 80
 Arg Leu Gln Thr Ile Asn Pro Arg Leu *
 85 89

<210> 1622
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1622
 Met Gln Cys Ala Ile Cys Ile Leu Leu Tyr Leu Leu Asn Lys Lys Thr
 1 5 10 15
 Val Trp Arg Cys Ser Arg Ile His His Asn Asn Thr Val Val Leu Thr
 20 25 30
 Arg Glu Ser Ser Pro Phe Leu Thr Thr Cys Thr Leu Ser Ser Val Leu
 35 40 45
 Leu Thr Lys Ala *
 50 52

<210> 1623
 <211> 978
 <212> PRT
 <213> Homo sapiens

<400> 1623
 Met Pro Ala Arg Arg Leu Leu Leu Leu Leu Thr Leu Leu Leu Pro Gly
 1 5 10 15
 Leu Gly Ile Phe Gly Ser Thr Ser Thr Val Thr Leu Pro Glu Thr Leu
 20 25 30
 Leu Phe Val Ser Thr Leu Asp Gly Ser Leu His Ala Val Ser Lys Arg
 35 40 45

Thr Gly Ser Ile Lys Trp Thr Leu Lys Glu Asp Pro Val Leu Gln Val
 50 55 60
 Pro Thr His Val Glu Glu Pro Ala Phe Leu Pro Asp Pro Asn Asp Gly
 65 70 75 80
 Ser Leu Tyr Thr Leu Gly Ser Lys Asn Asn Glu Gly Leu Thr Lys Leu
 85 90 95
 Pro Phe Thr Ile Pro Glu Leu Val Gln Ala Ser Pro Cys Arg Ser Ser
 100 105 110
 Asp Gly Ile Leu Tyr Met Gly Lys Lys Gln Asp Ile Trp Tyr Val Ile
 115 120 125
 Asp Leu Leu Thr Gly Glu Lys Gln Gln Thr Leu Ser Ser Ala Phe Ala
 130 135 140
 Asp Ser Leu Cys Pro Ser Thr Ser Leu Leu Tyr Leu Gly Arg Thr Glu
 145 150 155 160
 Tyr Thr Ile Thr Met Tyr Asp Thr Lys Thr Arg Glu Leu Arg Trp Asn
 165 170 175
 Ala Thr Tyr Phe Asp Tyr Ala Ala Ser Leu Pro Glu Asp Asp Val Asp
 180 185 190
 Tyr Lys Met Ser His Phe Val Ser Asn Gly Asp Gly Leu Val Val Thr
 195 200 205
 Val Asp Ser Glu Ser Gly Asp Val Leu Trp Ile Gln Asn Tyr Ala Ser
 210 215 220
 Pro Val Val Ala Phe Tyr Val Trp Gln Arg Glu Gly Leu Arg Lys Val
 225 230 235 240
 Met His Ile Asn Val Ala Val Glu Thr Leu Arg Tyr Leu Thr Phe Met
 245 250 255
 Ser Gly Glu Val Gly Arg Ile Thr Lys Trp Lys Tyr Pro Phe Pro Lys
 260 265 270
 Glu Thr Glu Ala Lys Ser Lys Leu Thr Pro Thr Leu Tyr Val Gly Lys
 275 280 285
 Tyr Ser Thr Ser Leu Tyr Ala Ser Pro Ser Met Val His Glu Gly Val
 290 295 300
 Ala Val Val Pro Arg Gly Ser Thr Leu Pro Leu Leu Glu Gly Pro Gln
 305 310 315 320
 Thr Asp Gly Val Thr Ile Gly Asp Lys Gly Glu Cys Val Ile Thr Pro
 325 330 335
 Ser Thr Asp Val Lys Phe Asp Pro Gly Leu Lys Ser Lys Asn Lys Leu
 340 345 350
 Asn Tyr Leu Arg Asn Tyr Trp Leu Leu Ile Gly His His Glu Thr Pro
 355 360 365
 Leu Ser Ala Ser Thr Lys Met Leu Glu Arg Phe Pro Asn Asn Leu Pro
 370 375 380
 Lys His Arg Glu Asn Val Ile Pro Ala Asp Ser Glu Lys Lys Ser Phe
 385 390 395 400
 Glu Glu Val Ile Asn Leu Val Asp Gln Thr Ser Glu Asn Ala Pro Thr
 405 410 415
 Thr Val Ser Arg Asp Val Glu Glu Lys Pro Ala His Ala Pro Ala Arg
 420 425 430
 Pro Glu Ala Pro Val Asp Ser Met Leu Lys Asp Met Ala Thr Ile Ile
 435 440 445
 Leu Ser Thr Phe Leu Leu Ile Gly Trp Val Ala Phe Ile Ile Thr Tyr
 450 455 460
 Pro Leu Ser Met His Gln Gln Gln Gln Leu Gln His Gln Gln Phe Gln
 465 470 475 480
 Lys Glu Leu Glu Lys Ile Gln Leu Leu Gln Gln Gln Gln Gln Leu
 485 490 495
 Pro Phe His Pro Pro Gly Asp Thr Ala Gln Asp Gly Glu Leu Leu Asp
 500 505 510
 Thr Ser Gly Pro Tyr Ser Glu Ser Ser Gly Thr Ser Ser Pro Ser Thr

915

<210> 1624
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1624
 Met His Ser Cys Trp Thr Phe Gln Asp Leu Ser Leu Val Gln Leu Cys
 1 5 10 15
 Leu Pro Leu Ser Cys Pro Gln Gln Gly Pro Val Gly Pro Gly Gly Phe
 20 25 30
 Leu Leu Pro Val Ser Gln Val Gly Pro Pro Lys Pro Ala Gly His Trp
 35 40 45
 Gln Arg Lys Leu Leu Met Pro *
 50 55

<210> 1625
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 1625
 Met Glu Leu Ala Leu Leu Cys Gly Leu Val Val Met Ala Gly Val Ile
 1 5 10 15
 Pro Ile Gln Gly Gly Ile Leu Asn Leu Asn Lys Met Val Lys Gln Val
 20 25 30
 Thr Gly Lys Met Pro Ile Leu Ser Tyr Trp Pro Tyr Gly Cys His Cys
 35 40 45
 Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Ala Thr Asp Trp Cys Cys
 50 55 60
 Gln Thr His Asp Cys Cys Tyr Asp His Leu Lys Thr Gln Gly Cys Gly
 65 70 75 80
 Ile Tyr Lys Asp Tyr Tyr Arg Tyr Asn Phe Ser Gln Gly Asn Ile His
 85 90 95
 Cys Ser Asp Lys Gly Ser Trp Cys Glu Gln Gln Leu Cys Ala Cys Asp
 100 105 110
 Lys Glu Val Ala Phe Cys Leu Lys Arg Asn Leu Asp Thr Tyr Gln Lys
 115 120 125
 Arg Leu Arg Phe Tyr Trp Arg Pro His Cys Arg Gly Gln Thr Pro Gly
 130 135 140
 Cys *
 145

<210> 1626
 <211> 385
 <212> PRT
 <213> Homo sapiens

<400> 1626
 Met Glu Phe Gly Leu Ser Trp Leu Phe Leu Val Ala Ile Leu Lys Gly

1	5	10	15												
Val	Gln	Cys	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln
	20				25				30						
Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe
	35				40				45						
Ser	Ser	Tyr	Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
	50				55				60						
Glu	Trp	Val	Ser	Gly	Ile	Gly	Gly	Ser	Gly	Ser	Ser	Thr	Tyr	Tyr	Ala
	65				70				75						80
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Gln	Asn
			85						90					95	
Thr	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val
	100							105					110		
Tyr	Tyr	Cys	Ala	Lys	Ser	His	Pro	Ala	Tyr	Tyr	Tyr	Gly	Ser	Gly	Ser
	115						120					125			
Tyr	Ser	Ser	His	Tyr	Tyr	Tyr	Tyr	Tyr	Gly	Met	Asp	Val	Trp	Gly	Gln
	130					135					140				
Gly	Thr	Thr	Val	Thr	Val	Ser	Ser	Gly	Asp	Gly	Ser	Ser	Gly	Gly	Ser
	145				150					155					160
Gly	Gly	Ala	Ser	Thr	Gly	Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Gly	Thr
			165						170					175	
Leu	Ser	Leu	Ser	Pro	Gly	Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser
			180					185					190		
Gln	Ser	Val	Ser	Ser	Ser	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly
	195						200					205			
Gln	Ala	Pro	Arg	Leu	Leu	Ile	Tyr	Gly	Ala	Ser	Ser	Arg	Ala	Thr	Gly
	210					215						220			
Ile	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu
	225				230					235					240
Thr	Ile	Ser	Arg	Leu	Glu	Pro	Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln
			245						250					255	
Gln	Tyr	Gly	Ser	Ser	Pro	Thr	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu
			260					265					270		
Ile	Lys	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser
	275						280					285			
Asp	Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn
	290					295					300				
Asn	Phe	Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala
	305				310					315					320
Leu	Gln	Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys
			325						330					335	
Asp	Ser	Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp
			340					345					350		
Tyr	Glu	Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Ser	Gly	Ala
	355						360					365			
Leu	Ser	Phe	Ala	Arg	Ser	Gln	Arg	Ser	Phe	Gln	Pro	Gly	Glu	Ser	Val
	370					375					380				384

*

<210> 1627
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 1627


```

Met Ile Val His Cys Thr Ile Ile Pro Leu Ser Phe Cys Val His Arg
 1           5           10           15
Leu Arg Ala Pro Leu Asp Ala Tyr Phe Gln Val Ser Arg Thr Gln Pro
      20           25           30
Asp Leu Pro Ala Thr Thr Tyr Asp Ser Glu Thr Arg Asn Pro Val Ser
      35           40           45
Glu Glu Leu Gln Val Ser Ser Ser Ser Asp Ser Asp Ser Asp Ser Ser
      50           55           60
Ala Glu Tyr Gly Gly Val Val Asp Gln Ala Glu Glu Ser Gly Ala Val
      65           70           75           80
Ile Leu Glu Gly Gln Tyr Phe Thr Gln Val Trp Thr His Lys Ala Asn
      85           90           95
Ile His Glu Ala *
      100

```

```

<210> 1628
<211> 71
<212> PRT
<213> Homo sapiens

```

```

<400> 1628
Met Ile Phe Tyr Val Ile Leu Ser Ser Pro Ser Ser Arg Thr Phe Phe
 1           5           10           15
Lys Ile Thr Leu Ile Met Ser Leu Gly Leu Ile Ser Lys Leu Leu Ile
      20           25           30
Thr Ser Cys Thr Phe Asp Thr Val Thr Phe Met Met Leu Thr Asn Ile
      35           40           45
Thr Lys Met Lys Ile Ser Ser Gly Lys Ala Thr Gln Ser Gln Glu Phe
      50           55           60
Phe Ser Glu Leu Ile Leu Tyr
      65           70 71

```

```

<210> 1629
<211> 112
<212> PRT
<213> Homo sapiens

```

```

<400> 1629
Met Ala His Tyr Lys Thr Glu Gln Asp Asp Trp Leu Ile Ile Tyr Leu
 1           5           10           15
Lys Tyr Leu Leu Phe Val Phe Asn Phe Phe Phe Trp Val Gly Gly Ala
      20           25           30
Ala Val Leu Ala Val Gly Ile Trp Thr Leu Val Glu Lys Ser Gly Tyr
      35           40           45
Leu Ser Val Leu Ala Ser Ser Thr Phe Ala Ala Ser Ala Tyr Ile Leu
      50           55           60
Ile Phe Ala Gly Val Leu Val Met Val Thr Gly Phe Leu Gly Phe Gly
      65           70           75           80
Ala Ile Leu Trp Glu Arg Lys Gly Cys Leu Ser Thr Tyr Phe Cys Leu
      85           90           95
Leu Leu Val Ile Phe Leu Asp Glu Leu Glu Ala Gly Val Leu Ala His
      100           105           110 112

```

<210> 1630
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1630
 Met Trp Pro Gln Leu Leu Lys Ser Phe Phe Leu Ile Pro Thr Gln Ile
 1 5 10 15
 His Phe Asn Leu Thr Asn Leu Pro Ser Trp Arg Arg Arg Glu Leu Arg
 20 25 30
 Arg Phe Val Trp Val Ser Met Pro Glu Leu Ile Gly Ala Ser *
 35 40 45 46

<210> 1631
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1631
 Met Tyr Met Trp Ser Gly Leu Leu Gly Ser Lys Trp Thr Leu Val Tyr
 1 5 10 15
 Ser His Phe Leu Asn Met Ala Pro Ala Ser Phe Ser His Tyr Gln Ala
 20 25 30
 Ser Leu Pro Leu Leu Glu His Asp Thr Leu Ser Ser Ser Arg Val His
 35 40 45
 Ser Tyr Gln Cys Pro Gly Phe Phe Cys Phe Phe Pro Ser Val Leu Glu
 50 55 60
 Phe Ser Gln Leu Gln Lys Thr Tyr Ser Leu Cys Leu Pro Phe *
 65 70 75 78

<210> 1632
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1632
 Met Phe Met Cys Arg Leu Leu Leu Trp Ala Thr Gly Ala Tyr Gly Phe
 1 5 10 15
 Leu Gly Asp Asp Val Glu Tyr Thr Ser Val Leu Pro His Gln Lys Gly
 20 25 30
 Lys Glu Ala Trp Val Phe Ile Cys Gln Leu Pro Phe Ile Ile Gly *
 35 40 45 47

<210> 1633
 <211> 58
 <212> PRT

<213> Homo sapiens

<400> 1633

```

Met Cys Leu Arg Arg Thr Leu Leu Trp His Leu His Ile Ala Pro Leu
 1           5           10           15
Val Asn Ile Leu Ser Asp Tyr Lys Pro Leu Gly Arg Trp Asn His Ala
           20           25           30
Pro Ala Leu Thr Ala Gly Ala Leu His Lys Thr Thr Ile Leu Leu Pro
           35           40           45
Gln Gly His Pro Lys Ala Ala Asn Pro *
           50           55           57

```

<210> 1634

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1634

```

Met Leu Val Phe Asn Leu Ser Leu Val Leu Ser His Ser Val Leu Glu
 1           5           10           15
Phe Val Met Phe Leu Tyr Ser Leu Asp Ser Ser His Val Cys Pro Leu
           20           25           30
Val Val Pro Val Thr Leu Asp Leu Ile Tyr Leu Val Tyr Leu Pro Cys
           35           40           45
Gln Ser Tyr Ile Leu Ile *
           50           54

```

<210> 1635

<211> 78

<212> PRT

<213> Homo sapiens

<400> 1635

```

Met Ala Val Val Gln Ala Leu Thr Pro Leu Val Ser Ala Ala Ala Thr
 1           5           10           15
Ala Ser Cys Leu Thr Ser Cys Ser Trp Ser Leu Thr Phe Pro Glu His
           20           25           30
Ser Val Asn Tyr Gln Ser His Pro Ser Glu Thr Gln Pro Tyr Leu Leu
           35           40           45
Arg Ser Thr Lys Glu Lys His His His Trp Leu Thr Ala Lys Ala Thr
           50           55           60
Cys Pro Ala Ala Gly Ala Glu Gly Leu Pro Ser Arg Gly *
           65           70           75           77

```

<210> 1636

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1636

```

Met Phe Cys Ser Phe Pro Leu Leu Ile Leu Gln Val Tyr Pro Thr Trp
 1           5           10           15
Lys Asn Pro Asn Trp His Leu Thr Phe His Thr Ser Val Phe Ser Phe
           20           25           30
Pro Lys Gly Val Arg Ser Leu Ala Arg Gly Ile Pro Asp His Leu His
           35           40           45
Ser Ala *
      50

```

<210> 1637

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1637

```

Met Gln Gln Met Met Trp Ala Gly Leu Leu Cys Pro Gln Leu Glu Trp
 1           5           10           15
Leu Gln Gly Arg Ala Cys Arg Pro Cys Gly Leu Leu Ala Ser Asp Ala
           20           25           30
Ala Ala Leu Trp Phe Arg Gly Gly Ile Ser Ala Trp Glu Asp Ser Cys
           35           40           45
Ala Val Ser Asn Ile Arg His Glu Ala Tyr Asn Cys His Leu Ser Val
           50           55           60
Phe Leu Asn Arg Cys Ala Asn Glu Leu Thr Val Gln Phe Leu Ile Ile
           65           70           75           80
Leu Ala Phe Gln Ile Met Leu Ser Cys Ala Val Ile Ala Pro Ala Val
           85           90           95
Pro Val Phe Gln Arg Leu Thr Leu Lys Arg Ser Gly Arg Thr Ser Leu
           100          105          110
Gly Ser Thr Gly Arg Leu His Phe Cys Lys *
           115          120          122

```

<210> 1638

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1638

```

Met Lys Arg Leu Arg Phe Val Leu Arg Val Phe Gln Met Thr Ala Phe
 1           5           10           15
Ile Thr Gly Ala His Thr Ile Thr Asn Tyr Ser Asp Arg Arg Leu Tyr
           20           25           30
Ile Ser Pro Leu Ser His Phe Phe Met Asn Ser Gly Ser Ser Ala Gln
           35           40           45
Ser Val Leu Ser His Ser Tyr Val Ser Gln Ile Phe Phe Lys Asn Val
           50           55           60
Ser Lys Tyr Phe *
           65           68

```

<210> 1639

<211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1639
 Met Tyr Val Ala Gly Tyr Leu Val Ala Asn Ser Ala Ile Cys Gln Leu
 1 5 10 15
 Thr Gln His Ser Leu Val Lys Leu Leu Leu Gln Gly Cys Phe Leu Ile
 20 25 30
 Gly Ser Leu His Leu Cys Ile Cys Val Pro Met Cys Val Cys Val Cys
 35 40 45
 Glu Tyr Arg Ile Leu His Asp Ser Lys Ile Ser Phe Lys Tyr Leu Arg
 50 55 60
 Phe Thr Ile Leu Lys Arg Glu Asn Lys Asn Lys Val Leu Gln Lys Leu
 65 70 75 80
 Lys Lys Asn Leu Lys Ser Val His Thr Leu Ser *

<210> 1640
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1640
 Met Thr Ala Trp Phe Cys Ser Phe Leu Ser Ser His Trp Val Ile Lys
 1 5 10 15
 Leu Pro Arg Phe Leu Leu Leu Val Leu Pro Phe Phe Trp Gly Lys Lys
 20 25 30
 Phe Ser Leu Gly Leu Ile Ser Gln Phe Phe Ser Lys Ala Tyr Phe Tyr
 35 40 45
 Ser Ser Tyr His Asn Tyr Ile His Thr *

<210> 1641
 <211> 459
 <212> PRT
 <213> Homo sapiens

<400> 1641
 Met Ser Asp Leu Leu Ser Val Phe Leu His Leu Leu Leu Leu Phe Lys
 1 5 10 15
 Leu Val Ala Pro Val Thr Phe Arg His His Arg Tyr Asp Asp Leu Val
 20 25 30
 Arg Thr Leu Tyr Lys Val Gln Asn Glu Cys Pro Gly Ile Thr Arg Val
 35 40 45
 Tyr Ser Ile Gly Arg Ser Val Glu Gly Arg His Leu Tyr Val Leu Glu
 50 55 60
 Phe Ser Asp His Pro Gly Ile His Glu Pro Leu Glu Pro Glu Val Lys
 65 70 75 80
 Tyr Val Gly Asn Met His Gly Asn Glu Ala Leu Gly Arg Glu Leu Met
 85 90 95
 Leu Gln Leu Ser Glu Phe Leu Cys Glu Glu Phe Arg Asn Arg Asn Gln

Arg	Ile	Val	Gln	Leu	Ile	Gln	Asp	Thr	Arg	Ile	His	Ile	Leu	Pro	Ser
		115					120					125			
Met	Asn	Pro	Asp	Gly	Tyr	Glu	Val	Ala	Ala	Ala	Gln	Gly	Pro	Asn	Lys
	130					135					140				
Pro	Gly	Tyr	Leu	Val	Gly	Arg	Asn	Asn	Ala	Asn	Gly	Val	Asp	Leu	Asn
145					150					155				160	
Arg	Asn	Phe	Pro	Asp	Leu	Asn	Thr	Tyr	Ile	Tyr	Tyr	Asn	Glu	Lys	Tyr
			165					170						175	
Gly	Gly	Pro	Asn	His	His	Leu	Pro	Leu	Pro	Asp	Asn	Trp	Lys	Ser	Gln
			180					185					190		
Val	Glu	Pro	Glu	Thr	Arg	Ala	Val	Ile	Arg	Trp	Met	His	Ser	Phe	Asn
	195						200				205				
Phe	Val	Leu	Ser	Ala	Asn	Leu	His	Gly	Gly	Ala	Val	Val	Ala	Asn	Tyr
	210					215					220				
Pro	Tyr	Asp	Lys	Ser	Phe	Glu	His	Arg	Val	Arg	Gly	Val	Arg	Arg	Thr
225					230					235					240
Ala	Ser	Thr	Pro	Thr	Pro	Asp	Asp	Lys	Leu	Phe	Gln	Lys	Leu	Ala	Lys
			245					250						255	
Val	Tyr	Ser	Tyr	Ala	His	Gly	Trp	Met	Phe	Gln	Gly	Trp	Asn	Cys	Gly
		260					265					270			
Asp	Tyr	Phe	Pro	Asp	Gly	Ile	Thr	Asn	Gly	Ala	Ser	Trp	Tyr	Ser	Leu
	275						280					285			
Ser	Lys	Gly	Met	Gln	Asp	Phe	Asn	Tyr	Leu	His	Thr	Asn	Cys	Phe	Glu
	290					295					300				
Ile	Thr	Leu	Glu	Leu	Ser	Cys	Asp	Lys	Phe	Pro	Pro	Glu	Glu	Glu	Leu
305					310					315					320
Gln	Arg	Glu	Trp	Leu	Gly	Asn	Arg	Glu	Ala	Leu	Ile	Gln	Phe	Leu	Glu
			325						330					335	
Gln	Val	His	Gln	Gly	Ile	Lys	Gly	Met	Val	Leu	Asp	Glu	Asn	Tyr	Asn
		340					345					350			
Asn	Leu	Ala	Asn	Ala	Val	Ile	Ser	Val	Ser	Gly	Ile	Asn	His	Asp	Val
	355						360					365			
Thr	Ser	Gly	Asp	His	Gly	Asp	Tyr	Phe	Arg	Leu	Leu	Leu	Pro	Gly	Ile
	370					375					380				
Tyr	Thr	Val	Ser	Ala	Thr	Ala	Pro	Gly	Tyr	Asp	Pro	Glu	Thr	Val	Thr
385					390					395					400
Val	Thr	Val	Gly	Pro	Ala	Glu	Pro	Thr	Leu	Val	Asn	Phe	His	Leu	Lys
			405					410						415	
Arg	Ser	Ile	Pro	Gln	Val	Ser	Pro	Val	Arg	Arg	Ala	Pro	Ser	Arg	Arg
		420					425					430			
His	Gly	Val	Arg	Ala	Lys	Val	Gln	Pro	Gln	Pro	Arg	Lys	Lys	Glu	Met
	435					440					445				
Glu	Met	Arg	Gln	Leu	Gln	Arg	Gly	Pro	Ala	*					
	450					455			458						

<210> 1642
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 1642
 Met Ala Arg Cys Thr Leu Thr Leu Leu Lys Thr Met Leu Thr Glu Leu
 1 5 10 15
 Leu Arg Gly Gly Ser Phe Glu Phe Lys Asp Met Arg Val Pro Ser Ala
 20 25 30

```

Leu Val Thr Leu His Met Leu Leu Cys Ser Ile Pro Leu Ser Gly Arg
      35      40      45
Leu Asp Ser Asp Glu Gln Lys Ile Gln Asn Asp Ile Ile Asp Ile Leu
      50      55      60
Leu Thr Phe Thr Gln Gly Val Asn Glu Lys Leu Thr Ile Ser Glu Glu
      65      70      75      80
Thr Leu Ala Asn Asn Thr Trp Ser Leu Met Leu Lys Glu Val Leu Ser
      85      90      95
Ser Ile Leu Lys Val Pro Glu Gly Phe Phe Ser Gly Leu Ile Leu Leu
      100      105      110
Ser Glu Leu Leu Pro Leu Pro Leu Pro Met Gln Thr Thr Gln Val Ser
      115      120      125
Leu Pro Tyr Asn Met His Leu Ile Asn Asp Cys Ser Asn Thr Phe *
      130      135      140      143

```

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<210> 1643
<211> 70
<212> PRT
<213> Homo sapiens

```

```

<400> 1643
Met Gly Arg Arg Trp Leu Phe Leu Ile Ala Cys Leu Arg Ser Ala Ser
  1      5      10      15
Ile Leu Ala Trp Ala Thr Trp Arg Asn Pro Val Ser Thr Lys Asn Lys
      20      25      30
Lys Leu Ala Ser His Asp Gly Pro His Leu Ala Val Pro Ala Ile Arg
      35      40      45
Glu Ala Glu Ala Gly Arg Trp Leu Lys Pro Arg Arg Arg Leu Gln
      50      55      60
Arg Pro Lys Ile Ala Arg
      65      70

```

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<210> 1644
<211> 82
<212> PRT
<213> Homo sapiens

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```

<400> 1644
Met Gly Met Gly Thr Leu Ile Ile Met Asn Val Trp Val Leu Phe Ile
  1      5      10      15
Pro Thr Arg Leu Arg Ile Asp Gln Gln Pro Val His Ile Lys Pro Ser
      20      25      30
Met Arg Val Leu Asp Lys Trp Val Ser Ala Phe Val His Lys Gly Phe
      35      40      45
Thr Trp Gly Thr Ser Glu Arg Ile Asn Thr Gly Ser Ser Ser Asp Ile
      50      55      60
Thr Leu Gly Ile Leu Asn Lys Cys Gly Trp Ala Val Phe Cys Ala Ala
      65      70      75      80
Pro *
      81

```


<210> 1645
 <211> 256
 <212> PRT
 <213> Homo sapiens

<400> 1645
 Met Ala Ala Leu Thr Val Thr Leu Met Val Leu Ser Ser Pro Leu Ala
 1 5 10 15
 Leu Ala Gly Asp Thr Gln Pro Arg Phe Leu Trp Gln Gly Lys Tyr Lys
 20 25 30
 Cys His Phe Phe Asn Gly Thr Glu Arg Val Gln Phe Leu Glu Arg Leu
 35 40 45
 Phe Tyr Asn Gln Glu Glu Phe Val Arg Phe Asp Ser Asp Val Gly Glu
 50 55 60
 Tyr Arg Ala Val Thr Glu Leu Gly Arg Pro Val Ala Glu Ser Trp Asn
 65 70 75 80
 Ser Gln Lys Asp Ile Leu Glu Asp Arg Arg Gly Gln Val Asp Thr Val
 85 90 95
 Cys Arg His Asn Tyr Gly Val Gly Glu Ser Phe Thr Val Gln Arg Arg
 100 105 110
 Val His Pro Glu Val Thr Val Tyr Pro Ala Lys Thr Gln Pro Leu Gln
 115 120 125
 His His Asn Leu Leu Val Cys Ser Val Ser Gly Phe Tyr Pro Gly Ser
 130 135 140
 Ile Glu Val Arg Trp Phe Arg Asn Gly Gln Glu Glu Lys Ala Gly Val
 145 150 155 160
 Val Ser Thr Gly Leu Ile Gln Asn Gly Asp Trp Thr Phe Gln Thr Leu
 165 170 175
 Val Met Leu Glu Thr Val Pro Arg Ser Gly Glu Val Tyr Thr Cys Gln
 180 185 190
 Val Glu His Pro Ser Val Met Ser Pro Leu Thr Val Glu Trp Arg Ala
 195 200 205
 Arg Ser Glu Ser Ala Gln Ser Lys Met Leu Ser Gly Val Gly Gly Phe
 210 215 220
 Val Leu Gly Leu Leu Phe Leu Gly Ala Gly Leu Phe Ile Tyr Phe Arg
 225 230 235 240
 Asn Gln Lys Gly His Ser Gly Leu Gln Pro Thr Gly Phe Leu Ser *
 245 250 255

<210> 1646
 <211> 263
 <212> PRT
 <213> Homo sapiens

<400> 1646
 Met Val Ala Trp Arg Ser Ala Phe Leu Val Cys Leu Ala Phe Ser Leu
 1 5 10 15
 Ala Thr Leu Val Gln Arg Gly Ser Gly Asp Phe Asp Asp Phe Asn Leu
 20 25 30
 Glu Asp Ala Val Lys Glu Thr Ser Ser Val Lys Gln Pro Trp Asp His
 35 40 45
 Thr Thr Thr Thr Thr Thr Asn Arg Pro Gly Thr Thr Arg Ala Pro Ala
 50 55 60
 Lys Pro Pro Gly Ser Gly Leu Asp Leu Ala Asp Ala Leu Asp Asp Gln
 65 70 75 80

```

Asp Asp Gly Arg Arg Lys Pro Gly Ile Gly Gly Arg Glu Arg Trp Asn
      85          90          95
His Val Thr Thr Thr Lys Arg Pro Val Thr Thr Arg Ala Pro Ala
      100        105        110
Asn Thr Leu Gly Asn Asp Phe Asp Leu Ala Asp Ala Leu Asp Asp Arg
      115        120        125
Asn Asp Arg Asp Asp Gly Arg Arg Lys Pro Ile Ala Gly Gly Gly Gly
      130        135        140
Phe Ser Asp Lys Asp Leu Glu Asp Ile Val Gly Gly Gly Glu Tyr Lys
145          150        155        160
Pro Asp Lys Gly Lys Gly Asp Gly Arg Tyr Gly Ser Asn Asp Asp Pro
      165        170        175
Gly Ser Gly Met Val Ala Glu Pro Gly Thr Ile Ala Gly Val Ala Ser
      180        185        190
Ala Leu Ala Met Ala Leu Ile Gly Ala Val Ser Ser Tyr Ile Ser Tyr
      195        200        205
Gln Gln Lys Lys Phe Cys Phe Ser Ile Gln Gln Gly Leu Asn Ala Asp
210          215        220
Tyr Val Lys Gly Glu Asn Leu Glu Ala Val Val Cys Glu Glu Pro Gln
225          230        235        240
Val Lys Tyr Ser Thr Leu His Thr Gln Ser Ala Glu Pro Pro Pro Pro
      245        250        255
Pro Glu Pro Ala Arg Ile *
      260        262

```

```

<210> 1647
<211> 74
<212> PRT
<213> Homo sapiens

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```

<400> 1647
Met Tyr Leu Leu Cys Trp Leu Tyr Ile Met Gly Val Leu Gly Ala Ser
 1          5          10          15
Cys Asn Trp His Val Gly Val Pro Phe Pro Gly Thr His Trp Pro Arg
      20          25          30
Ser Gln Asn His Leu Leu Trp Val Tyr Asn His Leu Asn Glu Leu Pro
      35          40          45
Val Pro Ala Gly Arg Ser Ser Glu Gln Leu Tyr Leu Gly Tyr Thr Glu
      50          55          60
Lys Tyr Gly Arg Arg Glu Arg Lys Ala *
      65          70          73

```

```

<210> 1648
<211> 58
<212> PRT
<213> Homo sapiens

```

```

<400> 1648
Met Gly Leu Cys Gly Met Trp Val Leu Thr Ala Phe Leu Cys Glu Pro
 1          5          10          15
Met Gly Phe Arg His Arg Val Cys Pro His Arg Cys Val Arg Gly Ser
      20          25          30
Gly Arg Gly Ser Gly Cys Glu Cys Val Thr Met Trp Pro Cys Gly Ile

```

```
<210> 1649
<211> 90
<212> PRT
<213> Homo sapiens
```

```
<210> 1650
<211> 113
<212> PRT
<213> Homo sapiens
```

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<210> 1651
<211> 50
<212> PRT
<213> Homo sapiens
```

<400> 1651

```

Met Phe Ile Lys Phe Leu Arg Ile Leu Ile Ser Leu Gln Cys Ser Ser
 1           5           10           15
Phe Lys Phe Thr Val Thr Ala Lys Val Leu Phe Met Thr Tyr Lys Lys
           20           25           30
Arg Ala Gln Ser Asp Phe Phe Leu Val Phe Val Asp Arg Glu Arg Ser
           35           40           45
Pro *
 49

```

<210> 1652

<211> 121

<212> PRT

<213> Homo sapiens

<400> 1652

```

Met Ser Arg Ala Gly Met Leu Gly Val Val Cys Ala Leu Leu Val Trp
 1           5           10           15
Ala Tyr Leu Ala Val Gly Lys Leu Val Val Arg Met Thr Phe Thr Glu
           20           25           30
Leu Cys Thr His His Pro Trp Ser Leu Arg Cys Glu Ser Phe Cys Arg
           35           40           45
Ser Arg Val Thr Ala Cys Leu Pro Ala Pro Ala Pro Trp Leu Arg Pro
           50           55           60
Phe Leu Cys Pro Met Leu Phe Ser Asp Arg Asn Pro Val Glu Cys His
           65           70           75           80
Leu Phe Gly Glu Ala Val Ser Asp Pro Val Cys Lys Gly Leu Leu Pro
           85           90           95
His Tyr Phe Trp His Pro Thr Phe Phe Pro Val Lys Ala Asn Cys Leu
           100          105          110
Val Ser Phe Cys Pro Thr Thr Val *
           115          120

```

<210> 1653

<211> 111

<212> PRT

<213> Homo sapiens

<400> 1653

```

Met Trp Ser Leu Trp Ile Trp Val Asp Gln His Gln Ala Arg Leu Ile
 1           5           10           15
Pro Ser Pro Gln Val Leu Leu Leu Leu Arg Glu Thr Pro Ser Thr
           20           25           30
Ala Ala Ala Val Ala Gly Trp Leu Val Val Ala Ser Met Ala Leu Leu
           35           40           45
Gln Leu His Ala Val Gly Gly Val Ala Leu Thr Ser Ser His Pro Phe
           50           55           60
Met Trp Ala Thr Gly Glu Glu Leu Arg Lys Pro Pro Trp Gln Gly Ser
           65           70           75           80
Ala Gly Ser Ala Ser Gly Val Glu Glu Leu Thr Gly Lys His Ser Cys
           85           90           95
Pro Gly Pro Glu Glu Pro Ala Thr Val Gln Lys Ala Pro Ala *

```

100

105

110

<210> 1654
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 1654
 Met Trp Ile Cys Arg Val Lys Gln Ala Trp Leu Pro Pro Leu Leu Ser
 1 5 10 15
 Pro Leu Gly Pro Pro Thr Pro Trp Asp Pro Phe Tyr Ala Ala Pro Ser
 20 25 30
 Pro Pro Val Trp Val Gly Ser Gly Tyr Trp Tyr Arg Gly Leu Leu Ser
 35 40 45
 Pro Pro Asp Gly Gly Gln Gly Ser Phe Pro Pro His Leu Cys Pro Gln
 50 55 60
 Cys Pro Val Gln Ala Gln Ala Gln Ile Gly Pro Tyr Phe Arg Glu Leu
 65 70 75 80
 Gly Glu Pro Pro Ser Glu Thr Lys Trp Tyr Leu Asn Ser His Ser His
 85 90 95
 His Arg Ala Ala Gly Thr Gln Arg Arg Leu Arg Cys Leu Gln His Leu
 100 105 110
 Leu Gly Gly Gly Gly Pro Gly Ile Gly Ser Glu Ser Pro Asn Glu Gly
 115 120 125
 Pro Gly Gln Val Thr His Ala Cys Asn Leu Ser Thr Leu Gly Gly Lys
 130 135 140
 Asp Val Arg Ile Thr *
 145 149

<210> 1655
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 1655
 Met Ser Arg Asn Leu Arg Thr Ala Leu Ile Phe Gly Gly Phe Ile Ser
 1 5 10 15
 Leu Ile Gly Ala Ala Phe Tyr Pro Ile Tyr Phe Arg Pro Leu Met Arg
 20 25 30
 Leu Glu Glu Tyr Lys Lys Glu Gln Ala Ile Asn Arg Ala Gly Ile Val
 35 40 45
 Gln Glu Asp Val Gln Pro Pro Gly Leu Lys Val Trp Ser Asp Pro Phe
 50 55 60
 Gly Arg Lys *
 65 67

<210> 1656
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1656

Met	His	Lys	Tyr	Leu	Cys	Val	Phe	Glu	Tyr	Leu	Ser	Asn	Leu	Ser	Lys
1				5				10						15	
Cys	Met	Arg	Leu	Tyr	Leu	Ile	Leu	Leu	Ala	Ser	Ile	Cys	Met	Tyr	Leu
		20						25					30		
Cys	Val	Ala	Arg	Arg	Val	Phe	Leu	Phe	Ala	Ser	Val	Ser	Thr	Gln	Gly
		35					40					45			
Lys	Ser	Leu	Met	Tyr	Ser	Thr	Gln	Lys	Val	Val	Lys	*			
	50					55					60				

<210> 1657

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1657

Met	Asn	Trp	Gln	His	Ser	Thr	Met	Tyr	Leu	Phe	Phe	Ala	Val	Ser	Gly
1				5				10						15	
Ile	Val	Asp	Met	Leu	Thr	Tyr	Leu	Val	Ser	His	Val	Pro	Leu	Gly	Val
		20						25					30		
Asp	Arg	Leu	Val	Met	Gly	Cys	Gly	Lys	Tyr	Ser	Trp	Lys	Val	Ser	Ser
		35					40					45			
Ser	Thr	Thr	Thr	Ser	Thr	Thr	Gly	Leu	Arg	Trp	Thr	Ser	Thr	Ser	Thr
	50					55				60					
His	Ser	Cys	Cys	Met	Leu	Cys	Ser	Glu	Gly	Val	Leu	Val	Ser	Pro	*
65					70					75				79	

<210> 1658

<211> 160

<212> PRT

<213> Homo sapiens

<400> 1658

Met	Ala	Phe	Leu	Leu	Tyr	His	Leu	Val	Tyr	His	Ile	Pro	Pro	Met	Ala
1				5				10						15	
Pro	Val	Ser	Phe	Val	Phe	Glu	Thr	Lys	Ser	Arg	Ser	Ala	Ala	Gln	Ala
		20						25					30		
Gly	Val	Gln	Trp	His	Asp	Pro	Gly	Ser	Pro	Gln	Pro	Leu	Pro	Pro	Arg
		35					40					45			
Phe	Lys	Arg	Phe	Ser	Cys	His	Gly	Leu	Asn	Ile	Lys	Phe	Ala	Phe	Phe
	50					55				60					
Ser	His	Leu	Lys	Glu	Leu	His	Leu	Asp	Ser	Gly	His	Cys	Phe	Ile	Phe
65					70					75				80	
Ile	Arg	Leu	Val	Lys	Gly	Ala	Val	Cys	Leu	Ile	His	Val	Gln	Ile	Arg
			85					90						95	
Ile	Pro	Ser	Ala	Asp	Glu	Asp	Ile	Thr	Ile	Leu	Phe	Phe	Ile	Val	Ser
		100						105					110		
Lys	His	Phe	Leu	Glu	Ser	Val	Phe	Lys	Met	Leu	Gln	Trp	Ser	Gln	Met
		115					120					125			
Thr	Leu	Ala	Thr	Val	Lys	Thr	Thr	Phe	Ile	Gly	Leu	Asn	Glu	Phe	Ile
	130					135					140				
Cys	Ser	Pro	Ser	Thr	Leu	Pro	Ser	Gly	Lys	Lys	Asn	Gly	Leu	Ile	*

145

150

155

159

<210> 1659
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 1659
 Met Trp Arg Leu Pro His Ser Gln Phe Ile His Ile Val Ile Leu Pro
 1 5 10 15
 Leu Lys Val Phe Leu Phe Leu Phe Cys Phe Leu Arg Trp Ser Phe Ser
 20 25 30
 Leu Val Ala Gln Ala Gly Val Gln Trp Arg Asp Leu Gly Pro Leu Gln
 35 40 45
 Pro Pro Pro Pro Arg Leu Lys Arg Phe Phe Cys Leu Ser Leu Pro Ser
 50 55 60
 Ser Trp Asp Tyr Arg His Ser Pro Pro His Pro Ala Asn Phe Tyr Thr
 65 70 75 80
 Phe Gly Arg Asp Gly Val Ser Pro Cys *
 85 89

<210> 1660
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1660
 Met Cys Ala His Leu Val Cys Val Lys Trp Cys Leu Val Ile Leu Ile
 1 5 10 15
 Cys Ile Phe Gln Asn Thr Asn Glu Val Glu Gln Leu Ile Leu Cys Val
 20 25 30
 Leu Leu Ile Pro Leu Ser Ser Ser Met Thr Asp Leu Phe Leu Ser Leu
 35 40 45
 Cys Val Cys Val Phe Cys Tyr *
 50 55

<210> 1661
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1661
 Met Leu Gly Met Ile Ser Met Leu Leu Asn Ala Leu Lys Leu Leu Val
 1 5 10 15
 Tyr Leu Thr Glu Cys Cys Met Ala Leu Glu Glu Arg Val His Ser Val
 20 25 30
 Leu Ile Gly Trp Ser Val Ser Phe Lys Arg Ile Gln Arg Gln Leu Asn
 35 40 45
 Gln Val Gly Leu Ile Glu Phe Phe Lys Met Val Leu Cys Ser Asn Thr
 50 55 60

Asp Gly Thr Glu Gly His Tyr Pro Lys *
 65 70 73

<210> 1662
 <211> 271
 <212> PRT
 <213> Homo sapiens

<400> 1662
 Met Gly Leu Gly Gln Pro Gln Ala Trp Leu Leu Gly Leu Pro Thr Ala
 1 5 10 15
 Val Val Tyr Gly Ser Leu Ala Leu Phe Thr Thr Ile Leu His Asn Val
 20 25 30
 Phe Leu Leu Tyr Tyr Val Asp Thr Phe Val Ser Val Tyr Lys Ile Asn
 35 40 45
 Lys Met Ala Phe Trp Val Gly Glu Thr Val Phe Leu Leu Trp Asn Ser
 50 55 60
 Leu Asn Asp Pro Leu Phe Gly Trp Leu Ser Asp Arg Gln Phe Leu Ser
 65 70 75 80
 Ser Gln Pro Arg Ser Gly Ala Gly Leu Ser Ser Arg Ala Val Val Leu
 85 90 95
 Ala Arg Val Gln Ala Leu Gly Trp His Gly Pro Leu Leu Ala Leu Ser
 100 105 110
 Phe Leu Ala Phe Trp Val Pro Trp Ala Pro Ala Gly Leu Gln Phe Leu
 115 120 125
 Leu Cys Leu Cys Leu Tyr Asp Gly Phe Leu Thr Leu Val Asp Leu His
 130 135 140
 His His Ala Leu Leu Ala Asp Leu Ala Leu Ser Ala His Asp Arg Thr
 145 150 155 160
 His Leu Asn Phe Tyr Cys Ser Leu Phe Ser Ala Ala Gly Ser Leu Ser
 165 170 175
 Val Phe Ala Ser Tyr Ala Phe Trp Asn Lys Glu Asp Phe Ser Ser Phe
 180 185 190
 Arg Ala Phe Cys Val Thr Leu Ala Val Ser Ser Gly Leu Gly Phe Leu
 195 200 205
 Gly Ala Thr Gln Leu Leu Arg Arg Arg Val Glu Ala Ala Arg Lys Asp
 210 215 220
 Pro Gly Cys Ser Gly Leu Val Val Asp Ser Gly Leu Cys Gly Glu Glu
 225 230 235 240
 Leu Leu Val Gly Ser Glu Glu Ala Asp Ser Ile Thr Leu Gly Arg Tyr
 245 250 255
 Leu Arg Gln Leu Ala Arg His Arg Asn Phe Leu Cys Phe Ser *
 260 265 270

<210> 1663
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1663
 Met Pro His Ile Gln Thr Leu Leu Arg Thr Leu Phe Ala Ser His Leu
 1 5 10 15
 Leu Val Ser Leu Trp Gln Ser Glu Pro Met Ala Lys Pro Arg Met Arg

			20						25				30				
Lys	Tyr	Asn	Thr	Ser	Ser	Glu	Tyr	Leu	Ser	Glu	Leu	Asp	Thr	Glu	Ala		
		35					40					45					
Ser	Arg	Val	Ser	*													
	50		52														

<210> 1664
 <211> 271
 <212> PRT
 <213> Homo sapiens

<400> 1664																	
Met	Gly	Leu	Gly	Gln	Pro	Gln	Ala	Trp	Leu	Leu	Gly	Leu	Pro	Thr	Ala		
1				5					10					15			
Val	Val	Tyr	Gly	Ser	Leu	Ala	Leu	Phe	Thr	Thr	Ile	Leu	His	Asn	Val		
		20						25					30				
Phe	Leu	Leu	Tyr	Tyr	Val	Asp	Thr	Phe	Val	Ser	Val	Tyr	Lys	Ile	Asn		
		35					40					45					
Lys	Met	Ala	Phe	Trp	Val	Gly	Glu	Thr	Val	Phe	Leu	Leu	Trp	Asn	Ser		
	50					55					60						
Leu	Asn	Asp	Pro	Leu	Phe	Gly	Trp	Leu	Ser	Asp	Arg	Gln	Phe	Leu	Ser		
	65				70					75					80		
Ser	Gln	Pro	Arg	Ser	Gly	Ala	Gly	Leu	Ser	Ser	Arg	Ala	Val	Val	Leu		
				85					90					95			
Ala	Arg	Val	Gln	Ala	Leu	Gly	Trp	His	Gly	Pro	Leu	Leu	Ala	Leu	Ser		
			100					105					110				
Phe	Leu	Ala	Phe	Trp	Val	Pro	Trp	Ala	Pro	Ala	Gly	Leu	Gln	Phe	Leu		
		115					120					125					
Leu	Cys	Leu	Cys	Leu	Tyr	Asp	Gly	Phe	Leu	Thr	Leu	Val	Asp	Leu	His		
	130					135					140						
His	His	Ala	Leu	Leu	Ala	Asp	Leu	Ala	Leu	Ser	Ala	His	Asp	Arg	Thr		
	145				150					155					160		
His	Leu	Asn	Phe	Tyr	Cys	Ser	Leu	Phe	Ser	Ala	Ala	Gly	Ser	Leu	Ser		
			165					170						175			
Val	Phe	Ala	Ser	Tyr	Ala	Phe	Trp	Asn	Lys	Glu	Asp	Phe	Ser	Ser	Phe		
			180					185					190				
Arg	Ala	Phe	Cys	Val	Thr	Leu	Ala	Val	Ser	Ser	Gly	Leu	Gly	Phe	Leu		
		195					200					205					
Gly	Ala	Thr	Gln	Leu	Leu	Arg	Arg	Arg	Val	Glu	Ala	Ala	Arg	Lys	Asp		
	210					215					220						
Pro	Gly	Cys	Ser	Gly	Leu	Val	Val	Asp	Ser	Gly	Leu	Cys	Gly	Glu	Glu		
	225				230					235					240		
Leu	Leu	Val	Gly	Ser	Glu	Glu	Ala	Asp	Ser	Ile	Thr	Leu	Gly	Arg	Tyr		
				245				250						255			
Leu	Arg	Gln	Leu	Ala	Arg	His	Arg	Asn	Phe	Leu	Cys	Phe	Ser	*			
		260						265					270				

<210> 1665
 <211> 284
 <212> PRT
 <213> Homo sapiens

<400> 1665

```

Met Asp Glu Lys Ser Asn Lys Leu Leu Leu Ala Leu Val Met Leu Phe
 1          5          10          15
Leu Phe Ala Val Ile Val Leu Gln Tyr Val Cys Pro Gly Thr Glu Cys
          20          25          30
Gln Leu Leu Arg Leu Gln Ala Phe Ser Ser Pro Val Pro Asp Pro Tyr
          35          40          45
Arg Ser Glu Asp Glu Ser Ser Ala Arg Phe Val Pro Arg Tyr Asn Phe
          50          55          60
Thr Arg Gly Asp Leu Leu Arg Lys Val Asp Phe Asp Ile Lys Gly Asp
          65          70          75          80
Asp Leu Ile Val Phe Leu His Ile Gln Lys Thr Gly Gly Thr Thr Phe
          85          90          95
Gly Arg His Leu Val Arg Asn Ile Gln Leu Glu Gln Pro Cys Glu Cys
          100          105          110
Arg Val Gly Gln Lys Lys Cys Thr Cys His Arg Pro Gly Lys Arg Glu
          115          120          125
Thr Trp Leu Phe Ser Arg Phe Ser Thr Gly Trp Ser Cys Gly Leu His
          130          135          140
Ala Asp Trp Thr Glu Leu Thr Ser Cys Val Pro Ser Val Gly Asp Gly
          145          150          155          160
Lys Arg Asp Ala Arg Leu Arg Pro Ser Arg Trp Arg Ile Phe His Ile
          165          170          175
Leu Tyr Ala Ala Cys Thr Asp Ile Arg Gly Ser Pro Asn Thr Asn Ala
          180          185          190
Gly Ala Asn Ser Pro Ser Phe Thr Lys Thr Arg Asn Thr Ser Lys Ser
          195          200          205
Trp Lys Asn Phe His Tyr Ile Thr Ile Leu Gln Asp Pro Gly Ala Arg
          210          215          220
Ser Leu Ser Glu Trp Arg Pro Val Leu Lys Arg Gly Thr Leu Glu Gly
          225          230          235          240
Leu Leu Ala Cys Trp Pro Trp Lys Ala Pro Pro Pro Leu Lys Lys Leu
          245          250          255
Ser Thr Trp Tyr Pro Gly Glu Glu Leu Val Trp Leu Ala Pro Leu Gln
          260          265          270
Lys Ile Ile Gly Leu Ala Leu Leu Ile Tyr Pro *
          275          280          283

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<210> 1666

<211> 67

<212> PRT

<213> Homo sapiens

<400> 1666

```

Met Thr Leu Val Leu Phe Leu Val Leu Ala Leu Met Ile Thr Ile Cys
 1          5          10          15
Ile Leu Ser Tyr His Ser His Leu Leu Ile Asn Ser Asn Leu Ile Pro
          20          25          30
Val Lys Tyr Arg Asn Phe Pro Ser Ile Leu Leu His Phe Leu His Leu
          35          40          45
Trp Leu Ser Phe Cys His Ile Ser His Met His Ile Cys His Asn Leu
          50          55          60
Leu Ile *
          65          66

```

<210> 1667
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1667
 Met Asn Thr His Trp Asn Ile Leu Pro Val Glu Arg Ser Cys Pro Leu
 1 5 10 15
 Trp Ile Ser Ser Glu Leu Ser Tyr Cys Ser Ile Lys Leu Leu Phe Ile
 20 25 30
 Leu Leu Thr Leu His Leu Pro Ala Tyr Leu Ile Leu Pro Gly His Lys
 35 40 45
 Ile Arg Thr Gln Asp Leu Pro Asn Glu Ala Asn Arg Ala Val Thr Gln
 50 55 60
 Thr Gly Leu Arg His Ala Leu Tyr Gln Ser Ile Ser Cys Trp *
 65 70 75 78

<210> 1668
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1668
 Met Trp Gly Leu Leu Ile Pro Cys Ile Leu Gly Cys Met Lys Leu Pro
 1 5 10 15
 His Asn Leu Leu Met Leu Phe Ser Leu Glu Thr Phe Leu Thr Leu Arg
 20 25 30
 Phe Ile Leu Asp Ser Phe Tyr Ser Tyr Val Phe Lys Pro Thr Asn Lys
 35 40 45
 Arg Phe Cys Asn Ile *
 50 53

<210> 1669
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 1669
 Met Met Ala Gly Ile Arg Ala Leu Phe Met Tyr Leu Trp Leu Gln Leu
 1 5 10 15
 Asp Trp Val Ser Arg Gly Glu Ser Val Gly Leu His Leu Pro Thr Leu
 20 25 30
 Ser Val Gln Glu Gly Asp Asn Ser Ile Ile Asn Cys Ala Tyr Ser Asn
 35 40 45
 Ser Ala Ser Asp Tyr Phe Ile Trp Tyr Lys Gln Glu Ser Gly Lys Gly
 50 55 60
 Pro Gln Phe Ile Ile Asp Ile Arg Ser Asn Met Asp Lys Arg Gln Gly
 65 70 75 80
 Gln Arg Val Thr Val Leu Leu Asn Lys Thr Val Lys His Leu Ser Leu
 85 90 95
 Gln Ile Ala Ala Thr Gln Pro Gly Asp Ser Ala Val Tyr Phe Cys Ala
 100 105 110

Glu Ile Pro Glu Gln Arg *
 115 118

<210> 1670
 <211> 116
 <212> PRT
 <213> Homo sapiens

<400> 1670
 Met Cys Leu Leu Cys Cys Glu Cys Leu Phe His Leu Trp Lys Arg Ile
 1 5 10 15
 Asn Trp Trp Gln Gly Phe Cys Ser Phe Tyr Leu Leu Leu Trp Val Gly
 20 25 30
 Leu Leu Ser Phe Pro Pro Asp Pro Trp Lys Ser Phe Thr Pro Ala
 35 40 45
 Ile Leu Phe Leu Ala Trp Gly Thr Gly Ser Ser Pro Gly Arg His Arg
 50 55 60
 Phe Ser Leu Pro Thr Asp Arg Arg Pro Ser Ala His Ser Pro Phe Leu
 65 70 75 80
 Ser Thr Leu Gln His Ser Ile Arg Thr Leu Phe His Ser Pro Ile Arg
 85 90 95
 Ser Ser Arg Phe Ala Phe Val Ser Ser Leu His Ser Tyr Thr Ser Ile
 100 105 110
 Pro Ser Leu Pro
 115 116

<210> 1671
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1671
 Met Ser His Cys Gly Leu Leu Phe Leu Val Val Thr Trp Leu Leu Ser
 1 5 10 15
 Phe Ile Phe Leu Val Cys Lys Met Arg Ile Thr Phe Leu Phe Cys Leu
 20 25 30
 Leu Thr Val Asp Met Lys Pro Asn Lys Val Leu Tyr Met Lys Cys Phe
 35 40 45
 Lys Cys Ile Ile Leu Leu Ser Cys Tyr Pro Leu Lys Phe Leu Val Ile
 50 55 60
 Arg Asn Phe Glu Ile *
 65 69

<210> 1672
 <211> 263
 <212> PRT
 <213> Homo sapiens

<400> 1672
 Met Arg Val Leu Cys Ala Phe Pro Glu Ala Met Pro Ser Ser Asn Ser

1				5				10					15				
Arg	Pro	Pro	Ala	Cys	Leu	Ala	Pro	Gly	Ala	Leu	Tyr	Leu	Ala	Leu	Leu		
			20					25					30				
Leu	His	Leu	Ser	Leu	Ser	Ser	Gln	Ala	Gly	Asp	Arg	Arg	Pro	Leu	Pro		
		35					40					45					
Val	Asp	Arg	Ala	Ala	Gly	Leu	Lys	Glu	Lys	Thr	Leu	Ile	Leu	Leu	Asp		
	50					55					60						
Val	Ser	Thr	Lys	Asn	Pro	Val	Arg	Thr	Val	Asn	Glu	Asn	Phe	Leu	Ser		
	65				70					75					80		
Leu	Gln	Leu	Asp	Pro	Ser	Ile	Ile	His	Asp	Gly	Trp	Leu	Asp	Phe	Leu		
				85					90					95			
Ser	Ser	Lys	Arg	Leu	Val	Thr	Leu	Ala	Arg	Gly	Leu	Ser	Pro	Ala	Phe		
			100					105						110			
Leu	Arg	Phe	Gly	Gly	Lys	Arg	Thr	Asp	Phe	Leu	Gln	Phe	Gln	Asn	Leu		
	115						120						125				
Arg	Asn	Pro	Ala	Lys	Ser	Arg	Gly	Gly	Pro	Gly	Pro	Asp	Tyr	Tyr	Leu		
	130					135					140						
Lys	Asn	Tyr	Glu	Asp	Asp	Ile	Val	Arg	Ser	Asp	Val	Ala	Leu	Asp	Lys		
	145				150					155					160		
Gln	Lys	Gly	Cys	Lys	Ile	Ala	Gln	His	Pro	Asp	Gly	Met	Leu	Glu	Pro		
				165					170					175			
Pro	Arg	Glu	Lys	Ala	Ala	Gln	Met	His	Leu	Val	Leu	Leu	Lys	Glu	Gln		
			180					185						190			
Phe	Ser	Asn	Thr	Tyr	Ser	Asn	Leu	Ile	Leu	Thr	Glu	Pro	Asn	Asn	Tyr		
	195						200						205				
Arg	Thr	Met	His	Gly	Arg	Ala	Val	Asn	Gly	Ser	Gln	Leu	Gly	Lys	Asp		
	210					215						220					
Tyr	Ile	Gln	Leu	Lys	Ser	Leu	Leu	Gln	Pro	Ile	Arg	Ile	Tyr	Ser	Arg		
	225				230					235					240		
Ala	Ser	Leu	Tyr	Gly	Pro	Asn	Ile	Val	Arg	Pro	Arg	Lys	Asn	Val	Ile		
				245					250					255			
Ala	Leu	Leu	Asp	Gly	Leu	*											
			260		262												

<210> 1673

<211> 156

<212> PRT

<213> Homo sapiens

<400> 1673

Met	Lys	Trp	Lys	Thr	Gly	Val	Ala	Ile	Phe	Val	Val	Val	Val	Val	Tyr		
1				5				10						15			
Leu	Val	Thr	Gly	Gly	Leu	Val	Phe	Arg	Ala	Leu	Glu	Gln	Pro	Phe	Glu		
			20					25					30				
Ser	Ser	Gln	Lys	Asn	Thr	Ile	Ala	Leu	Glu	Lys	Ala	Glu	Phe	Leu	Arg		
		35					40					45					
Asp	His	Val	Cys	Val	Ser	Pro	Gln	Glu	Leu	Glu	Thr	Leu	Ile	Gln	His		
	50					55					60						
Ala	Leu	Asp	Ala	Asp	Asn	Ala	Gly	Val	Ser	Pro	Ile	Gly	Asn	Ser	Ser		
	65				70					75					80		
Asn	Asn	Ser	Ser	His	Trp	Asp	Leu	Gly	Ser	Ala	Phe	Phe	Phe	Ala	Gly		
				85					90					95			
Thr	Val	Ile	Thr	Thr	Ile	Gly	Tyr	Gly	Asn	Ile	Ala	Pro	Ser	Thr	Glu		
			100					105					110				
Gly	Gly	Lys	Ile	Phe	Cys	Ile	Leu	Tyr	Ala	Ile	Phe	Gly	Phe	Pro	Leu		
		115					120					125					

Phe Gly Phe Leu Leu Ala Gly Ile Glu Asp Gln Leu Gly Thr Ile Phe
 130 135 140
 Gly Lys Ser Ile Ala Arg Val Glu Lys Val Phe *
 145 150 155

<210> 1674
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 1674
 Met Cys Cys Val Ile Cys Ser Lys Gln Tyr Val Leu Leu Ser Ile Leu
 1 5 10 15
 Leu Cys Leu Leu Ala Ser Gly Ser Val Asp Phe Phe Leu Leu Pro His
 20 25 30
 Ser Val Leu Ala Asp Asp Asp Gly Ile Lys Val Val Lys Val Thr Phe
 35 40 45
 Asn Lys Gln Asp Ser Leu Val Ile Leu Thr Ile Met Val Ser Leu Thr
 50 55 60
 Val Ser Phe Pro Gly Leu Cys Thr Cys Gln Ala Gly Thr Gln Asp Thr
 65 70 75 80
 Tyr Thr *
 82

<210> 1675
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1675
 Met Val His Cys Leu Ile Cys Met Trp Thr Cys Trp Pro Thr Gly Ala
 1 5 10 15
 Ile Leu His Arg Val Cys Arg Thr His Trp Pro Arg Gly Val Ser His
 20 25 30
 Thr His Val Trp Met His Trp Pro Thr Cys Val Val Ser Arg Leu Phe
 35 40 45
 Val Asp Val Leu Gly *
 50 53

<210> 1676
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 1676
 Met Gly Val Met Ala Met Leu Met Leu Pro Leu Leu Leu Gly Ile
 1 5 10 15
 Ser Gly Leu Leu Phe Ile Tyr Gln Glu Val Ser Arg Leu Trp Ser Lys
 20 25 30
 Ser Ala Val Gln Asn Lys Val Val Val Ile Thr Asp Ala Ile Ser Gly


```

      35      40      45
Leu Gly Lys Glu Cys Ala Arg Val Phe His Thr Gly Gly Ala Arg Leu
      50      55      60
Val Leu Cys Gly Lys Asn Trp Glu Arg Leu Glu Asn Leu Tyr Asp Ala
      65      70      75      80
Leu Ile Ser Val Ala Asp Pro Ser Lys Thr Phe Thr Pro Lys Leu Val
      85      90      95
Leu Leu Asp Leu Ser Asp Ile Ser Cys Val Pro His Val Ala Lys Glu
      100      105      110
Ala Leu Asp Cys Tyr Gly *
      115      118

```

<210> 1677
 <211> 49
 <212> PRT
 <213> Homo sapiens

```

      <400> 1677
Met Arg Tyr Lys Cys Val Leu Ser Lys Ile Leu Trp Phe Cys Pro Trp
      1      5      10      15
Lys Tyr Val Trp Lys Asn Ser Phe Phe Asn Leu Glu Gly Met Phe Met
      20      25      30
Phe Ile Glu Val Thr Cys Arg His Tyr Ser Thr Cys Gly Ile Phe Lys
      35      40      45      48
*

```

<210> 1678
 <211> 127
 <212> PRT
 <213> Homo sapiens

```

      <400> 1678
Met Gln Thr Lys Gly Gly Gln Thr Trp Ala Arg Arg Ala Leu Leu Leu
      1      5      10      15
Gly Ile Leu Trp Ala Thr Ala His Leu Pro Leu Ser Gly Thr Ser Leu
      20      25      30
Pro Gln Arg Leu Pro Arg Ala Thr Gly Asn Ser Thr Gln Cys Val Ile
      35      40      45
Ser Pro Ser Ser Glu Phe Pro Glu Gly Phe Phe Thr Arg Gln Glu Arg
      50      55      60
Arg Asp Gly Gly Ile Ile Ile Tyr Phe Leu Ile Ile Val Tyr Met Phe
      65      70      75      80
Met Ala Ile Ser Ile Val Cys Asp Glu Tyr Phe Leu Pro Ser Leu Glu
      85      90      95
Ile Ile Ser Glu Tyr Ile Gly Asn Lys Lys Glu Met Gln Val Leu Ile
      100      105      110
Pro Gly Arg Ile Val Ser Lys Leu Lys Lys Leu Gly Phe Lys *
      115      120      125 126

```

<210> 1679

<211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1679
 Met Ile Phe Phe Ile Lys Ala Pro Leu Tyr Leu Leu Gln Ser Met Met
 1 5 10 15
 Asp Cys Leu Tyr Ala Arg Arg Ile Pro Cys Ile Thr Asp Cys Ala Met
 20 25 30
 Ala Glu Ile Glu Lys Leu Gly Gln Lys Tyr Pro Val Ala Leu Arg Ile
 35 40 45
 Ala
 49

<210> 1680
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1680
 Met Val Tyr Glu Val Phe Ile Asn Lys Ala Asn Ile Leu Leu Leu Leu
 1 5 10 15
 Phe Leu Arg Gln Ser Leu Ala Val Leu Pro Arg Leu Glu Cys Ser Gly
 20 25 30
 Ala Ile Ser Ala Arg Cys Asn Leu His Leu Arg Ile Pro Pro Asp Phe
 35 40 45
 His Arg Ser Thr Met Gly Gly Gly Gly Gly
 50 55 58

<210> 1681
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1681
 Met Leu Ser Gly Trp Val Gln Cys Pro Leu Leu Gln Arg Val His Phe
 1 5 10 15
 Tyr Ala Phe Ser Val Gly Pro Phe His Arg Lys Ile Trp Gly Asp Val
 20 25 30
 Ser Phe Pro Leu Thr Phe Tyr Phe Lys Asn Leu Gln Thr Gln Lys Ser
 35 40 45 48
 *

<210> 1682
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 1682

```

Met Thr Gly Leu Phe Leu His His Asn Pro Gly Ile Leu Leu Ala Pro
 1          5          10          15
Ser Val Leu Asp Leu Leu Phe Pro Gly Ser His Ile Phe Ile Phe Ser
          20          25          30
Leu Phe Leu Ser Leu Cys Pro Cys Phe Gly Asp Thr Ile Leu Val Ala
          35          40          45
Pro Ser Asp Lys Val Tyr Lys Asp Thr Phe Ile Ile Lys Ile Tyr Pro
          50          55          60
Tyr Cys Ile Phe Glu Asn Phe Phe Thr Phe Leu Phe Thr *
65          70          75          77

```

<210> 1683

<211> 52

<212> PRT

<213> Homo sapiens

<400> 1683

```

Met Ser Leu Gly Ser Ile Asn His Phe Leu Phe Phe Ile Gln Leu Leu
 1          5          10          15
Val Leu Lys Asn Ser Tyr Cys Met Leu Leu Lys Met Lys Gln Asn Lys
          20          25          30
Lys Leu Lys Lys Ile Met Cys Leu Leu Phe Leu Met Leu Ser Ser Tyr
          35          40          45
His Leu Ile *
50 51

```

<210> 1684

<211> 165

<212> PRT

<213> Homo sapiens

<400> 1684

```

Met Pro Ala Pro Pro Leu Pro Gly Gly Trp Asn Thr Trp Gly Pro Ser
 1          5          10          15
Leu Ser Leu Pro Leu Leu Leu Leu Gly Ala Val Ala Met Ala Leu Gly
          20          25          30
Val Arg Pro Pro Gly Gln Val Gly Leu Ser Pro Ile Ala Thr Ala Ser
          35          40          45
Thr Val Gly Val Pro Arg Cys Leu Gln Thr Ala Phe Arg Gly Asp Ala
          50          55          60
Gly Trp His Ser Cys Ala Gln Gln Gly Ala Cys Val Ala Leu His Pro
65          70          75          80
Ser Glu Arg Arg Leu Gly Ile Ser Asp Glu Ala His Ser Arg Ser Arg
          85          90          95
Trp Gly Gly Glu Asp Ser Pro Ser Pro Leu Thr Gly Pro Pro Leu Ser
          100          105          110
Pro Ser Pro Pro Asp Cys Leu Ser Leu Pro Arg Leu Thr Pro Leu Arg
          115          120          125
Leu Pro Pro Pro Pro Phe Pro Phe Leu Gly Pro Ile Pro Ser Leu Pro
          130          135          140
Pro Pro Pro Ser Pro Pro Pro Gln Pro Pro Ala Thr Ala Pro Pro Pro
145          150          155          160

```

Ser Leu Arg Phe *
164

<210> 1685
<211> 153
<212> PRT
<213> Homo sapiens

<400> 1685
Met Gly Thr Ala Ala Leu Gly Pro Val Trp Ala Ala Leu Leu Leu Phe
1 5 10 15
Leu Leu Met Cys Glu Ile Pro Met Val Glu Leu Thr Phe Asp Arg Ala
20 25 30
Val Ala Ser Gly Cys Gln Arg Cys Cys Asp Ser Glu Asp Pro Leu Asp
35 40 45
Pro Ala His Val Ser Ser Ala Ser Ser Ser Gly Arg Pro His Ala Leu
50 55 60
Pro Glu Ile Arg Pro Tyr Ile Asn Ile Thr Ile Leu Lys Ala Gln Arg
65 70 75 80
Ala Gln His His Ala Glu Pro Glu Cys Asp Ala Gly Pro Gly Leu Arg
85 90 95
Gly Pro Arg Leu Gly Ala Ala Leu Gln Ala Pro Ala Arg Glu Arg His
100 105 110
Leu Gln Gln Arg Leu Arg His Leu His His Leu Gln Arg Pro Pro His
115 120 125
Gln Gly Arg Gly Arg Leu Arg Ala Ser Gly Pro Pro Ser Arg Leu Glu
130 135 140
Ser Ser Ala Asp Pro Ala Pro Ala *
145 150 152

<210> 1686
<211> 141
<212> PRT
<213> Homo sapiens

<400> 1686
Met Arg Arg Thr Ala Phe Ile Leu Gly Ser Gly Leu Leu Ser Phe Val
1 5 10 15
Ala Phe Trp Asn Ser Val Thr Trp His Leu Gln Arg Phe Trp Gly Ala
20 25 30
Ser Gly Tyr Phe Trp Gln Ala Gln Trp Glu Arg Leu Leu Thr Thr Phe
35 40 45
Glu Gly Lys Glu Trp Ile Leu Phe Phe Ile Gly Ala Ile Gln Val Pro
50 55 60
Cys Leu Phe Phe Trp Ser Phe Asn Gly Leu Leu Val Val Asp Thr
65 70 75 80
Thr Gly Lys Pro Asn Phe Ile Ser Arg Tyr Arg Ile Gln Val Gly Lys
85 90 95
Asn Glu Pro Val Asp Pro Val Lys Leu Arg Gln Ser Ile Arg Thr Val
100 105 110
Leu Phe Asn Gln Cys Met Ile Ser Phe Pro Met Gly Gly Leu Pro Leu
115 120 125
Ser Leu Pro Gln Met Val Glu Arg Pro Leu Thr Pro *

130

135

140

<210> 1687
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 1687
 Met Leu Thr Glu Leu Leu Leu Leu Cys Val Leu Val Leu Cys Val Phe
 1 5 10 15
 Met Ser Arg Gly Ser Cys Leu Phe Ala Thr Ile Arg Glu Phe Trp Pro
 20 25 30
 Pro Trp Val Gly Cys Gly Arg Gly Glu Asn Pro Ser Val Gly Thr Val
 35 40 45
 Asp Pro Ser Cys Arg Leu Cys Ala Pro Gly His Val *
 50 55 60

<210> 1688
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 1688
 Met Val Ala Ala Thr Pro Pro Gly Ile Ala Arg Trp Ala Leu Val Ile
 1 5 10 15
 Ser Phe Pro Pro Val Thr Pro Thr Ala Pro His Met Cys Ala Ala Gln
 20 25 30
 Pro Trp Gly Arg His Gly Ser Ala Glu Gly Thr Thr Gln Leu Pro Ala
 35 40 45
 Pro Arg Ser Ser Pro Ser Cys Gln Ser Trp Asp Lys Leu Leu Leu Leu
 50 55 60
 Leu Leu Glu *
 65 67

<210> 1689
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1689
 Met Ala Ala Thr Met Val Ser Ile Ala Ser Phe Arg Leu Phe Leu Met
 1 5 10 15
 Ser Cys Thr Leu Val Ala Phe Ser Pro Ser Leu Leu Leu Leu Ala Ala
 20 25 30
 Cys Gly Ser Ser Ser Pro Pro Ser Pro Leu Asn Pro Leu Thr Cys Arg
 35 40 45
 Ile Leu Ile Cys Phe Thr Met Val Leu Leu Pro Asp Ser Pro Ala Pro
 50 55 60
 Ser Ser Ser Arg Arg Cys Val Ala Arg *
 65 70 73

<210> 1690
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1690
 Met His Met Cys Ala Phe Leu His Val Trp Thr Cys Ala Cys Met His
 1 5 10 15
 Leu Cys Val Cys Val Cys Ala Glu Thr Gly Lys Gly Val Lys Val Leu
 20 25 30
 Val Arg Glu Pro Gly Ser Phe Leu Phe Pro Asn Leu Ser Cys Ser Lys
 35 40 45
 Glu Gly Trp Gly Trp Gly Gln Pro Leu Leu Lys Val Ile Gly Glu Glu
 50 55 60
 Arg Phe Ser Asp Ser Glu Val Thr Ala Ser Val Ala Gln Ala Val Ser
 65 70 75 80
 Leu Val Thr Val Ile Leu Gln Phe Ser Asp Pro His Val Ser Phe Arg
 85 90 95
 Gly Lys Arg Lys Lys Gly Thr Leu Trp Trp Val Leu Gly Gly Lys Arg
 100 105 110
 Lys *
 113

<210> 1691
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 1691
 Met Ala Phe Leu Leu Ser Thr Leu Leu Asn His Tyr Leu Ala Cys Lys
 1 5 10 15
 His Ser Ser Glu Leu Trp Leu Gln Ser Ser Leu Asn Asn Leu Gly Lys
 20 25 30
 Lys Lys Asp Lys Ala Tyr Ile Phe Thr Val Leu Ala Leu Lys His Ile
 35 40 45
 Pro Gln Met Pro Leu Arg Ile Tyr Phe Val Leu Gly Gln Ser Trp Trp
 50 55 60
 Leu Met Pro Val Ser
 65 69

<210> 1692
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 1692
 Met Leu Gly Pro Thr Val Phe Asn Ile Lys Phe Val Phe Leu Ile Thr
 1 5 10 15
 Ala Leu Gly Ala Leu Pro Ser Ser Leu Pro His Ala His Ser Ala Ala

```

      20      25      30
Trp Thr Leu Leu Pro Gly Pro Pro Ala Gln Gln His Ser Thr Arg Leu
      35      40      45
Trp Thr Phe Ser Asn Met Ala Gly Val Glu Leu Cys Pro Gly Pro Gln
      50      55      60
Pro Ala Gly Pro Ala Ala Pro Val Gly Arg Thr Pro Pro Val Leu Ser
      65      70      75      80
Ala Phe Thr Thr Thr Ser Ser Phe Gly Ser Gly Cys Gly Val Thr Ser
      85      90      95
Ser Arg Glu Leu Pro Arg Arg
      100      103

```

<210> 1693
 <211> 48
 <212> PRT
 <213> Homo sapiens

```

      <400> 1693
Met Gly Arg Phe Leu Asp Glu Gln Trp Val Tyr Phe Ile Ile Leu Leu
  1      5      10      15
Leu Leu Phe Phe Phe Arg Asp Ser Leu Ala Leu Ser Pro Arg Leu Glu
      20      25      30
Cys Ser Gly Ala Ile Ser Val His Ser Lys Leu Arg Leu Pro Gly Ser
      35      40      45      48

```

<210> 1694
 <211> 92
 <212> PRT
 <213> Homo sapiens

```

      <400> 1694
Met Ile Phe Ala Cys Glu Cys Val Leu Arg Leu Leu Leu Ile Leu Asn
  1      5      10      15
Val Ser Phe Leu Gly Ala Val Ser Glu Glu Thr Thr Asn Ala Leu Glu
      20      25      30
Thr Trp Gly Ala Leu Arg Gln Asp Ile Asn Leu Asp Ile Pro Ser Phe
      35      40      45
Leu Leu Arg Glu His Ile Asp Glu Leu Ile Cys Asp Lys Thr Leu Asp
      50      55      60
Ser Lys Lys Ile Ala His Phe Arg Ala Glu Lys Glu Thr Phe Ser Glu
      65      70      75      80
Lys Asp Thr Tyr Cys Tyr Leu Lys Met Glu Leu *
      85      90      91

```

<210> 1695
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 1695

```

Met Ala Val Gln Gln Gln Phe Ile Ile Val Val Leu Arg Leu Val Phe
 1           5           10           15
Pro Val Ala Gly Thr Thr Arg Ala Pro Leu His Trp Val Gly Ala Ile
          20           25           30
Pro Gly Trp Glu Trp Pro Pro Gly Asp Asp Ala Tyr Pro Ser Leu Leu
          35           40           45
Ala Pro Ser Gln His Pro Tyr Ser Gly Glu Ala Leu Cys Leu Leu Leu
          50           55           60
Leu Pro Ser Ile Val Leu Leu Glu Ser Cys Arg Lys Val Met Glu Arg
          65           70           75           80
Gly Leu *
          82

```

<210> 1696

<211> 159

<212> PRT

<213> Homo sapiens

<400> 1696

```

Met Leu Trp Leu Phe Gln Ser Leu Leu Phe Val Phe Cys Phe Gly Pro
 1           5           10           15
Gly Asn Val Val Ser Gln Ser Ser Leu Thr Pro Leu Met Val Asn Gly
          20           25           30
Ile Leu Gly Glu Ser Val Thr Leu Pro Leu Glu Phe Pro Ala Gly Glu
          35           40           45
Lys Val Asn Phe Ile Thr Trp Leu Phe Asn Glu Thr Ser Leu Ala Phe
          50           55           60
Ile Val Pro His Glu Thr Lys Ser Pro Glu Ile His Val Thr Asn Pro
          65           70           75           80
Lys Gln Gly Lys Arg Leu Asn Phe Thr Gln Ser Tyr Ser Leu Gln Leu
          85           90           95
Ser Asn Leu Lys Met Glu Asp Thr Gly Ser Tyr Arg Ala Gln Ile Ser
          100          105          110
Thr Lys Thr Ser Ala Lys Leu Ser Ser Tyr Thr Leu Arg Ile Leu Thr
          115          120          125
Leu Tyr Pro Ile Val Gly Asn Gly Ile Trp Gly Asn Lys Asn Phe Leu
          130          135          140
Thr Thr Leu Ala Arg Gly Asn Val Lys Leu Asp Gly Leu His Glu
          145          150          155          159

```

<210> 1697

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1697

```

Met Glu Pro Arg Leu Phe Cys Trp Thr Thr Leu Phe Leu Leu Ala Gly
 1           5           10           15
Trp Cys Leu Pro Gly Leu Pro Cys Pro Ser Arg Cys Leu Cys Phe Lys
          20           25           30
Ser Thr Val Arg Cys Met His Leu Met Leu Asp His Ile Pro Gln Val

```

```

      35      40      45
Pro Gln Gln Thr Thr Val Leu Asp Leu Arg Phe Asn Arg Ile Arg Glu
   50      55      60
Ile Pro Gly Ser Ala Phe Lys Lys Leu Lys Asn Leu Asn Thr Leu Tyr
   65      70      75      80
Leu Tyr Lys Asn Glu Ile His Ala Leu Asp Lys Gln Thr Phe Lys Gly
      85      90      95
Leu Ile Ser Leu Glu His Leu Tyr Ile
      100      105

```

<210> 1698
 <211> 195
 <212> PRT
 <213> Homo sapiens

```

      <400> 1698
Met Pro Ser Trp Ile Gly Ala Val Ile Leu Pro Leu Leu Gly Leu Leu
  1      5      10      15
Leu Ser Leu Pro Ala Gly Ala Asp Val Lys Ala Arg Ser Cys Gly Glu
      20      25      30
Val Arg Gln Ala Tyr Gly Ala Lys Gly Phe Ser Leu Ala Asp Ile Pro
      35      40      45
Tyr Gln Glu Ile Ala Gly Glu His Leu Arg Ile Cys Pro Gln Glu Tyr
      50      55      60
Thr Cys Cys Thr Thr Glu Met Glu Asp Lys Leu Ser Gln Gln Ser Lys
      65      70      75      80
Leu Glu Phe Glu Asn Leu Val Glu Glu Thr Ser His Phe Val Arg Thr
      85      90      95
Thr Phe Val Ser Arg His Lys Lys Phe Asp Glu Phe Phe Arg Glu Leu
      100      105      110
Leu Glu Asn Ala Glu Lys Ser Leu Asn Asp Met Phe Val Arg Thr Tyr
      115      120      125
Gly Met Leu Tyr Met Gln Asn Ser Glu Val Phe Gln Asp Leu Phe Thr
      130      135      140
Glu Leu Lys Arg Tyr Tyr Thr Gly Gly Asn Val Asn Leu Glu Glu Met
      145      150      155      160
Leu Asn Asp Phe Trp Ala Arg Leu Leu Glu Arg Met Phe Gln Leu Ile
      165      170      175
Asn Pro Gln Tyr Pro Phe Ser Glu Gly Phe Leu Gly Met Cys Glu Gln
      180      185      190
Ile Pro *
      194

```

<210> 1699
 <211> 97
 <212> PRT
 <213> Homo sapiens

```

      <400> 1699
Met Asp Ser Pro Trp Ala Gly Leu Leu Trp Leu Leu Pro Thr Leu Trp
  1      5      10      15
Ser Ser Phe Pro Ala Pro Ala Cys Trp Pro Ser Ser Ser Ser Ser Ser
      20      25      30

```

Pro Val Cys Ala Ala Asn Gly Ala Met Ser Ala Ser Arg Asn Leu Arg
 35 40 45
 Thr Leu Lys Gly Arg Thr Ala Pro Gly Ser Thr Leu Pro Leu Arg Arg
 50 55 60
 Arg Pro Pro Pro His Ser Arg Cys Leu Met Ser Thr Phe Ser Arg Trp
 65 70 75 80
 Leu Arg Ser Pro Cys Gln Cys Leu Pro Arg Ser Leu His Thr Gln Thr
 85 90 95 96

*

<210> 1700
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 1700
 Met Gly Trp Ala Pro Leu Leu Leu Thr Leu Leu Ala His Cys Thr Gly
 1 5 10 15
 Ser Trp Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Glu Ser Glu Ala
 20 25 30
 Pro Gly Gln Trp Val Asn Ile Ser Cys Thr Gly Ser Gly Ser Asn Leu
 35 40 45
 Gly Ala Gly Phe Asp Val Gln Trp Tyr Gln Leu Ile Pro Gly Thr Ala
 50 55 60
 Pro Lys Leu Leu Ile Phe Asn Asn Asn Arg Gln Pro Ser Gly Val Pro
 65 70 75 80
 Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala Ser Leu Thr Ile
 85 90 95
 Asn Asp Leu Gln Pro Glu Asp Glu Ser Glu Tyr Tyr Cys Leu Ala Met
 100 105 110
 Thr Ala Ala Ser Leu Val Ser Ser Glu Leu Gly Pro Lys Ser Pro Ala
 115 120 125 128

*

<210> 1701
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 1701
 Met Arg Thr His Thr Arg Gly Ala Pro Ser Val Phe Phe Ile Tyr Leu
 1 5 10 15
 Leu Cys Phe Val Ser Ala Tyr Ile Thr Asp Glu Asn Pro Glu Val Met
 20 25 30
 Ile Pro Phe Thr Asn Ala Asn Tyr Asp Ser His Pro Met Leu Tyr Phe
 35 40 45
 Ser Arg Ala Glu Val Ala Glu Leu Gln Leu Arg Ala Ala Ser Ser His
 50 55 60
 Glu His Ile Ala Ala Arg Leu Thr Glu Ala Val His Thr Met Leu Ser
 65 70 75 80
 Ser Pro Leu Glu Tyr Leu Pro Pro Trp Asp Pro Lys Asp Tyr Ser Ala

				85				90					95		
Arg	Trp	Asn	Glu	Ile	Phe	Gly	Asn	Asn	Leu	Gly	Ala	Leu	Ala	Met	Phe
			100					105					110		
Cys	Val	Leu	Tyr	Pro	Glu	Asn	Ile	Glu	Ala	Arg	Asp	Met	Ala	Lys	Asp
		115					120					125			
Tyr	Met	Glu	Arg	Met	Ala	Ala	Gln	Pro	Ser	Trp	Leu	Val	Lys	Asp	Ala
	130					135					140				
Pro	Trp	Asp	Glu	Val	Pro	Leu	Ala	His	Ser	Leu	Val	Gly	Phe	Ala	Thr
145					150					155					160
Ala	Tyr	Asp	Phe	Leu	Tyr	Asn	His	Leu	Ser	Lys	Thr	Gln	Gln	Glu	Lys
				165					170					175	
Phe	Leu	Glu	Val	Ile	Ala	Asn	Ala	Ser	Gly	Tyr	Met	Phe	Val	Thr	Leu
			180					185					190		
Ile	Leu	Gly	Ala	Asp	Gly	Asp	Ser	Asn	Thr	Cys	Thr	Ile	Ile	Ser	Pro
	195						200					205			
Pro	Thr	Val	Trp	Leu	Cys	Ser	Arg	Glu	Ala	*					
	210					215			218						

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<210> 1702
<211> 86
<212> PRT
<213> Homo sapiens
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[illegible]

```
<210> 1703
<211> 229
<212> PRT
<213> Homo sapiens
```

<400> 1703															
Met	Leu	Ser	Met	Leu	Arg	Thr	Met	Thr	Arg	Leu	Cys	Phe	Leu	Leu	Phe
1				5					10					15	
Phe	Ser	Val	Ala	Thr	Ser	Gly	Cys	Ser	Ala	Ala	Ala	Ala	Ser	Ser	Leu
			20					25					30		
Glu	Met	Leu	Ser	Arg	Glu	Phe	Glu	Thr	Cys	Ala	Phe	Ser	Phe	Ser	Ser
		35					40					45			
Leu	Pro	Arg	Ser	Cys	Lys	Glu	Ile	Lys	Glu	Arg	Cys	His	Ser	Ala	Gly
	50					55					60				
Asp	Gly	Leu	Tyr	Phe	Leu	Arg	Thr	Lys	Asn	Gly	Val	Val	Tyr	Gln	Thr
65					70					75					80

```
<210> 1704
<211> 202
<212> PRT
<213> Homo sapiens
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950

<210> 1705
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1705
 Met Gly Leu Leu Gly Val Leu Trp Asn Thr Thr Leu His Met Cys Arg
 1 5 10 15
 Met Arg Leu Gln Asp Thr Gly Gln Lys Ile Arg Thr Gly Ser Cys Glu
 20 25 30
 Leu His Gly Ser Gln Ser Ser His Ser Thr Gly Asn Leu Arg Val Leu
 35 40 45
 Pro Ser His Asn Gly Glu Thr Leu His *
 50 55 57

<210> 1706
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1706
 Met Gly Asp Tyr Arg Asn Val Arg Leu Leu Gly Ser Phe Ser Phe Ile
 1 5 10 15
 Ser Val Thr Ile Ser Arg Val Ile Phe Leu Leu Ser Leu Leu Gln Pro
 20 25 30
 Ser Gly Val Gly Ile Leu Phe Ala Asp Ser Gly Gly Thr Gly Tyr Thr
 35 40 45
 His His Cys Leu Trp Val *
 50 54

<210> 1707
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1707
 Met Leu Glu Cys Ala Phe Ile Val Leu Trp Leu Gln Leu Gly Trp Leu
 1 5 10 15
 Ser Gly Glu Asp Gln Val Thr Gln Ser Pro Glu Ala Leu Arg Leu Gln
 20 25 30
 Glu Gly Glu Ser Ser Ser Leu Asn Cys Ser Tyr Thr Val Ser Gly Leu
 35 40 45
 Arg Gly Leu Phe Trp Tyr Arg Gln Asp Pro Gly Lys Gly Pro Glu Phe
 50 55 60
 Leu Phe Thr Leu Tyr Ser Ala Gly Glu Glu Lys Glu Lys Glu Arg Leu
 65 70 75 80
 Lys Ala Thr Leu Thr Lys Lys Glu Ser Phe Leu His Ile Thr Ala Pro
 85 90 95
 Lys Pro Glu Asp Ser Ala Thr Tyr Leu Cys Ala Val Gln Ala Gln Phe
 100 105 110
 His Ser Gly Gly Gly Ala Asp Gly Leu Thr Phe Gly Lys Gly Thr Arg
 115 120 125

Leu Lys Val Leu Ala Leu Tyr Pro Glu Pro *
 130 135 138

<210> 1708
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1708
 Met Gly Pro Arg Phe Val Ser Thr Leu Pro Phe Ser Pro Ser Ala Ala
 1 5 10 15
 Trp Cys Ala Cys Glu Ala Gly Gly Gly Leu Arg Arg Glu Val Ala His
 20 25 30
 Ala Gln Arg Ala Ala Ser Thr Ala Pro Thr Ala His Met Gln Asn Ser
 35 40 45
 Thr Leu Ile Gly Leu Asn Leu Ser Arg Gly *
 50 55 58

<210> 1709
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1709
 Met Arg Leu Pro Trp Glu Leu Leu Val Leu Gln Ser Phe Ile Leu Cys
 1 5 10 15
 Leu Ala Asp Asp Ser Thr Leu His Gly Pro Ile Phe Ile Gln Glu Pro
 20 25 30
 Ser Pro Val Met Phe Pro Leu Asp Ser Glu Glu Lys Lys Ala Lys Leu
 35 40 45
 Asn Cys Glu Asp Lys Gly Asp Pro Lys Pro His Ile Arg Trp Lys Leu
 50 55 60
 Asn Gly Ala Asp Ala Asp Thr Gly Met Glu Phe Leu Leu Gln Arg Cys
 65 70 75 80
 *

<210> 1710
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 1710
 Met Leu Arg Leu Tyr Val Leu Val Met Gly Val Ser Ala Phe Thr Leu
 1 5 10 15
 Gln Pro Ala Ala His Thr Gly Ala Ala Arg Ser Cys Arg Phe Arg Gly
 20 25 30
 Arg His Tyr Lys Arg Glu Phe Arg Leu Glu Gly Glu Pro Val Ala Leu
 35 40 45
 Arg Cys Pro Gln Val Pro Tyr Trp Leu Trp Ala Ser Val Ser Pro Arg

50		55		60	
Ile Asn Leu Thr Trp His Lys Asn Asp Ser Ala Arg Thr Val Pro Gly					
65		70		75	80
Glu Glu Glu Thr Arg Met Trp Ala Gln Asp Gly Ala Leu Trp Leu Leu					
	85		90		95
Pro Ala Leu Gln Glu Asp Ser Gly Thr Tyr Val Cys Thr Thr Arg Asn					
	100		105		110
Ala Ser Tyr Cys Asp Lys Met Ser Ile Glu Leu Arg Val Phe Glu Asn					
	115		120		125
Thr Asp Ala Phe Leu Pro Phe Ile Ser Tyr Pro Gln Ile Leu Thr Leu					
	130		135		140
Ser Thr Ser Gly Val Leu Val Cys Pro Asp Leu Ser Glu Phe Thr Arg					
145		150		155	160
Asp Lys Thr Asp Val Lys Ile Gln Trp Tyr Lys Asp Ser Leu Leu Leu					
	165		170		175
Asp Lys Asp Asn Glu Lys Phe Leu Ser Val Arg Gly Thr Thr His Leu					
	180		185		190
Leu Val His Asp Val Ala Leu Glu Asp Ala Gly Tyr Tyr Arg Cys Val					
	195		200		205
Leu Thr Phe Ala His Glu Gly Gln Gln Tyr Asn Ile Thr Arg Ser Ile					
	210		215		220
Glu Leu Arg Ile Lys Lys Lys Lys Glu Glu Thr Ile Pro Val Ile Ile					
225		230		235	240
Ser Pro Leu Lys Thr Ile Ser Ala Ser Leu Gly Ser Arg Leu Thr Ile					
	245		250		255
Pro Cys Lys Val Phe Leu Gly Thr Gly Thr Pro Leu Thr Thr Met Leu					
	260		265		270
Trp Trp Thr Ala Asn Asp Thr His Ile Glu Ser Ala Tyr Pro Gly Gly					
	275		280		285
Arg Val Thr Glu Gly Pro Arg Gln Glu Tyr Ser Glu Asn Asn Glu Asn					
	290		295		300
Tyr Ile Glu Val Pro Leu Ile Phe Asp Pro Val Thr Arg Glu Asp Leu					
305		310		315	320
His Met Asp Phe Lys Cys Val Val His Asn Thr Leu Ser Phe Gln Thr					
	325		330		335
Leu Arg Thr Thr Val Lys Glu Ala Ser Ser Thr Phe Ser Trp Gly Ile					
	340		345		350
Val Leu Ala Pro Leu Ser Leu Ala Phe Leu Val Leu Gly Gly Ile Trp					
	355		360		365
Met His Arg Arg Cys Lys His Arg Thr Gly Lys Ala Asp Gly Leu Thr					
	370		375		380
Val Leu Trp Pro His His Gln Asp Phe Gln Ser Tyr Pro Lys *					
385		390		395	398

<210> 1711

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1711

Met Ala Met Gly Val Pro Arg Val Ile Leu Leu Cys Leu Phe Gly Ala				
1	5		10	15
Ala Leu Cys Leu Thr Gly Ser Gln Ala Leu Gln Cys Tyr Ser Phe Glu				
	20		25	30
His Thr Tyr Phe Gly Pro Phe Asp Leu Arg Ala Met Lys Leu Pro Ser				
	35		40	45

```

Ile Ser Cys Pro His Glu Cys Phe Glu Ala Ile Leu Ser Leu Asp Thr
  50          55          60
Gly Tyr Arg Ala Pro Val Thr Leu Val Arg Lys Gly Cys Trp Thr Gly
  65          70          75          80
Pro Pro Ala Gly Gln Thr Gln Ser Asn Ala Asp Ala Leu Pro Pro Asp
          85          90          95
Tyr Ser Val Val Arg Gly Cys Thr Thr Asp Lys Cys Asn Ala His Leu
          100          105          110
Met Thr His Asp Ala Leu Pro Asn Leu Ser Gln Ala Pro Asp Pro Pro
          115          120          125
Thr Leu Ser Gly Leu Glu Cys Tyr Ala Cys Ile Gly Val His Gln Asp
          130          135          140
Asp Cys Ala Ile Gly Arg Ser Arg Arg Val Gln Cys His Gln Asp Gln
          145          150          155          160
Thr Ala Cys Phe Gln Gly Asn Gly Arg Met Thr Val Gly Asn Phe Ser
          165          170          175
Val Pro Val Tyr Ile Arg Thr Cys His Arg Ala Leu Leu His His Leu
          180          185          190
Met Gly Thr Thr Ser Pro Trp Thr Ala Ile Gly Pro Pro Arg Gly Ser
          195          200          205
Cys Cys Glu Gly Tyr Leu Cys Asn Arg Lys Ser Met Thr Gln Pro Phe
          210          215          220
Thr Ser Ala Ser Ala Thr Thr Pro Pro Arg Ala Leu Gln Val Leu Ala
          225          230          235          240
Leu Leu Leu Pro Val Leu Leu Leu Val Gly Leu Ser Ala *
          245          250          253

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<210> 1712
<211> 124
<212> PRT
<213> Homo sapiens

```

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<400> 1712
Met Thr Trp Leu Leu Val Ala Tyr Ala Asp Phe Val Val Thr Phe Val
  1          5          10          15
Met Leu Leu Pro Ser Lys Asp Phe Trp Tyr Ser Val Val Asn Gly Val
          20          25          30
Ile Phe Asn Cys Leu Ala Val Leu Ala Leu Ser Ser His Leu Arg Thr
          35          40          45
Met Leu Thr Asp Pro Glu Lys Ser Ser Asp Cys Arg Pro Ser Ala Cys
          50          55          60
Thr Val Lys Thr Gly Leu Asp Pro Thr Leu Val Gly Ile Cys Gly Glu
          65          70          75          80
Gly Thr Glu Ser Val Gln Ser Leu Leu Leu Gly Ala Val Pro Lys Gly
          85          90          95
Asn Ala Thr Lys Glu Tyr Met Asp Glu Leu Ala Ala Glu Ala Arg Gly
          100          105          110
Ser His Leu Gln Val Pro Gln Val Leu Leu Tyr *
          115          120          123

```

```

<210> 1713
<211> 214
<212> PRT
<213> Homo sapiens

```

<400> 1713

```

Met Leu His Leu Val Phe Ile Leu Pro Ser Leu Met Leu Leu Ile Pro
 1           5           10           15
His Ile Leu Leu Glu Asn Phe Ala Ala Ile Pro Gly His Arg Cys
           20           25           30
Trp Val His Met Leu Asp Asn Asn Thr Gly Ser Gly Asn Glu Thr Gly
           35           40           45
Ile Leu Ser Glu Asp Ala Leu Leu Arg Ile Ser Ile Pro Leu Asp Ser
           50           55           60
Asn Leu Arg Pro Glu Lys Cys Arg Arg Phe Val His Pro Gln Trp Gln
           65           70           75           80
Leu Leu His Leu Asn Gly Thr Ile His Ser Thr Ser Glu Ala Asp Thr
           85           90           95
Glu Pro Cys Val Asp Gly Trp Val Tyr Asp Gln Ser Tyr Phe Pro Ser
           100          105          110
Thr Ile Val Thr Lys Trp Asp Leu Val Cys Asp Tyr Gln Ser Leu Lys
           115          120          125
Ser Val Val Gln Phe Leu Leu Leu Thr Gly Met Leu Val Gly Gly Ile
           130          135          140
Ile Gly Gly His Val Ser Asp Arg Trp Leu Val Glu Ser Ala Arg Trp
145           150           155           160
Leu Ile Ile Thr Asn Lys Leu Asp Glu Gly Leu Lys Ala Leu Arg Lys
           165           170           175
Val Ala Arg Thr Asn Gly Ile Lys Asn Ala Glu Arg Asn Pro Glu His
           180           185           190
Arg Gly Cys Lys Ile His His Ala Gly Gly Ala Gly Cys Ser Thr Asp
           195           200           205
Gln Asn Tyr Cys Val *
           210           213

```

<210> 1714

<211> 178

<212> PRT

<213> Homo sapiens

<400> 1714

```

Met Ala Ala Ser Trp Ser Leu Leu Val Thr Leu Arg Pro Leu Ala Gln
 1           5           10           15
Ser Pro Leu Arg Gly Arg Cys Val Gly Cys Gly Ala Trp Ala Ala Ala
           20           25           30
Leu Ala Pro Leu Ala Thr Ala Pro Gly Lys Pro Phe Trp Lys Ala Tyr
           35           40           45
Thr Val Gln Thr Ser Glu Ser Met Thr Pro Thr Ala Thr Ser Glu Thr
           50           55           60
Tyr Leu Lys Ala Leu Ala Val Cys His Gly Pro Leu Asp His Tyr Asp
           65           70           75           80
Phe Leu Ile Lys Ala His Glu Leu Lys Asp Asp Glu His Gln Arg Arg
           85           90           95
Val Ile Gln Cys Leu Gln Lys Leu His Glu Asp Leu Lys Gly Tyr Asn
           100          105          110
Ile Glu Ala Glu Gly Leu Phe Phe Lys Ala Phe Phe Lys Glu Gln Thr
           115          120          125
Ser Lys Gly Pro Val Cys Leu Trp Arg Cys Trp Tyr Arg Lys Asn Asn
           130          135          140

```

Gly Asp Gly His Val Leu Cys Leu Cys Gly Asn Glu Glu Glu Lys Thr
 145 150 155 160
 Gly Ser Phe Ser Trp Phe His Ala Arg Cys Ala Gln Lys Asn Thr Ser
 165 170 175
 Pro *
 177

<210> 1715
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1715
 Met Arg Val Thr Ala Pro Arg Thr Val Leu Leu Leu Trp Gly Ala
 1 5 10 15
 Val Ala Leu Thr Glu Thr Trp Ala Gly Ser His Ser Met Lys Tyr Phe
 20 25 30
 Tyr Thr Ala Met Ser Arg Ala Gly Arg Gly Glu Pro Arg Phe Ile Ala
 35 40 45
 Glu Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp Ser Asp Ala
 50 55 60
 Ala Ser Pro Lys Thr Asp Pro Gly Arg His Gly *
 65 70 75

<210> 1716
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 1716
 Met Arg Phe Thr Phe Pro Leu Met Ala Ile Val Leu Glu Ile Ala Met
 1 5 10 15
 Ile Ala Ser Phe Gly Leu Phe Val Glu Tyr Glu Thr Asp His Thr Val
 20 25 30
 Leu Glu His Phe Asn Ile Thr Lys Pro Ser Asp Met Gly Ile Phe Phe
 35 40 45
 Glu Leu Tyr Pro Leu Phe Gln Asp Val His Gly Met Ile Phe Val Gly
 50 55 60
 Phe Asp Phe Pro Pro Asp Leu Pro Glu Glu Leu Trp Val Ser Gln Arg
 65 70 75 80
 Gly Tyr *
 82

<210> 1717
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1717
 Met Ala Leu Phe Phe Leu Ala Leu Asn Phe Trp Lys Val Gly Met Ala

```

      1           5           10           15
Cys Tyr Val Arg Thr Ser Ser Trp Asn Ser Leu Leu Phe Phe Ser Gln
      20           25           30
Pro Tyr Phe Leu Gly Ser Cys Phe Glu Gln Tyr Leu Ser Asn Val Cys
      35           40           45
Leu Pro Asp Val Val Pro Asp Ala *
      50           55 56

```

<210> 1718
 <211> 76
 <212> PRT
 <213> Homo sapiens

```

      <400> 1718
Met Tyr Leu Gly Leu Phe Leu Asp Phe Tyr Ser Val Ser Phe Cys Gly
      1           5           10           15
Cys Leu His Met Leu Gln Pro Gln Cys Phe Asn Tyr Phe Asn Ser Lys
      20           25           30
Asp Gln Ser Arg Phe His Cys Leu Lys His Cys Ser Asp His Leu Ile
      35           40           45
Phe Leu Leu Ser Glu Leu Arg Ser Asn Met Phe Ser Ser Phe Leu Ile
      50           55           60
Leu Ser Ile Phe Tyr Asp Tyr Cys Ile Asn Leu *
      65           70           75

```

<210> 1719
 <211> 71
 <212> PRT
 <213> Homo sapiens

```

      <400> 1719
Met Lys Ile Phe Phe His Ile Phe Phe His Lys Cys Leu Phe Thr Tyr
      1           5           10           15
Arg Leu Phe Ile Thr Leu Ala Leu Ile Leu Trp Tyr Ser Asp Ile Glu
      20           25           30
Glu Ser Thr Phe Pro Pro Leu Met Arg Tyr Cys Pro Asn Thr Val Leu
      35           40           45
His Lys Ser Phe Phe Gln Met Ser Ala Phe Ile Thr Tyr Gln Phe Ser
      50           55           60
Leu Tyr Leu Ser Leu Phe *
      65           70

```

<210> 1720
 <211> 101
 <212> PRT
 <213> Homo sapiens

```

      <400> 1720
Met Leu Ala Gly Gln Leu Leu Pro Met Leu Thr Leu Leu Pro Pro Ser
      1           5           10           15

```

Phe Pro Leu Pro His Pro Thr Leu Gly Pro Arg Arg His Ala Ser Leu
 20 25 30
 Thr Gln Leu Gly Pro Ala Phe Trp Met Ala Trp Gly Arg Pro Trp Ala
 35 40 45
 His Leu Gly Pro Gly Gln Pro Leu Gly Gln Leu Trp Lys Ser Ser Val
 50 55 60
 Glu Glu His Leu Leu Ala Ala Trp Leu Gln Pro Leu Ala Leu Leu Glu
 65 70 75 80
 Trp Ser Leu Gly Ala Ser Ala Leu Ser Ala Leu Gly Thr Ser His Pro
 85 90 95
 Leu Gly Leu Gln *
 100

<210> 1721
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1721
 Met Leu Val Leu Leu Val Trp Val His His Thr Leu Leu Leu Gly Gln
 1 5 10 15
 Lys Ser Thr Tyr Glu Glu Lys Arg Asn Gly Lys Trp Gly Arg Gln Arg
 20 25 30
 Arg Ala Pro Tyr Leu Gly Val Tyr Ile Glu Ala Thr Gly Gln Val *
 35 40 45 47

<210> 1722
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1722
 Met Asp Val Gly Pro Asn Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Val Thr Leu Arg Gly Gln Ala Asn Thr Gly Trp
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Asp Ala
 50 55 60
 Ile Ser Leu Ile Leu *
 65 69

<210> 1723
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1723
 Met Asp Leu Ile Phe Val Lys Val Leu Leu Ile Phe Ala Ala Ile Gln

```

      1           5           10           15
Thr Leu Ser Lys Trp Gln Phe Ala Phe Thr Phe Ser Ile Gln Thr Val
      20           25           30
Pro Ser Leu Val Ile Asn Leu Ser Trp Leu Leu Leu Asp Leu Lys Pro
      35           40           45
Gly Thr His Ile Gln *
      50           53

```

```

<210> 1724
<211> 60
<212> PRT
<213> Homo sapiens

```

```

      <400> 1724
Met Val Ser Gly Trp Ile Thr Lys Thr Gln Phe Leu Leu Leu Gly Arg
      1           5           10           15
Gly Lys Ile Cys Met Tyr Lys Cys Ile Lys Gln Leu Gln Val Arg Lys
      20           25           30
Thr Asp Val Ile Thr Thr Lys Gln Ile Asn Tyr Glu Glu Ile Asn Cys
      35           40           45
Leu Asn His Ile Met Leu Thr Thr Lys Phe Trp *
      50           55           59

```

```

<210> 1725
<211> 63
<212> PRT
<213> Homo sapiens

```

```

      <400> 1725
Met Phe Phe Arg Met Gln Val Cys Glu His His Gly Phe Trp Val Ile
      1           5           10           15
Leu Leu Leu Leu Ser Leu Lys Met Glu Ile Pro Leu Ala Ala Tyr Pro
      20           25           30
Thr Ala Glu Tyr Ser Ser Ile Gly Ser Gly Phe Thr Pro Leu His Pro
      35           40           45
Ser Arg Thr Phe Thr Gln Ala Ser Pro Leu Pro Ser Ile Phe *
      50           55           60           62

```

```

<210> 1726
<211> 57
<212> PRT
<213> Homo sapiens

```

```

      <400> 1726
Met Cys Leu Phe Cys Ser Phe Val Asn Val Thr Leu Gly Ser Thr Asp
      1           5           10           15
Pro Met Cys Cys Pro Ala Gln Trp Leu Ala Gln Arg Met Pro Trp Ala
      20           25           30
Phe Val Ser Ile Arg Lys Ala Trp Pro Leu Gly Arg Met Ser Gly Ala
      35           40           45

```


Ser Gln Arg Leu Lys Glu Glu Glu *
 50 55 56

<210> 1727
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1727
 Met Arg Trp Pro Trp Ala Ser Trp Ala Ala Val Leu Leu Lys Leu Pro
 1 5 10 15
 Arg Arg Val Leu Pro Trp Leu Pro Cys Gly His Gln Gln His Val Arg
 20 25 30
 Ala Thr Ala Ser Ser Arg Ser Pro Pro Met Pro Val Thr Lys
 35 40 45 46

<210> 1728
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1728
 Met Lys Met Glu Met Glu Thr Lys Arg Ser Trp Arg Pro Gln Ser His
 1 5 10 15
 Gly His Phe Thr Phe Gln Phe Leu Leu Ser Trp Thr Phe Glu Leu Ile
 20 25 30
 Leu Phe His Phe Val Pro Phe Phe Pro Tyr Leu Leu Phe *
 35 40 45

<210> 1729
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 1729
 Met Val Leu Leu Pro Leu Gln Cys Gly Leu Thr Lys Ala Ser Ser Cys
 1 5 10 15
 Leu His Thr Leu Cys Ser Ser Ser Asp Gln Ile Gly Tyr Leu Pro Val
 20 25 30
 Lys Asn Thr Asp Gln Leu Gly Leu Gln Met Glu Val Ala Glu Met Cys
 35 40 45 48

*

<210> 1730
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1730

```

Met Phe Thr Phe Gly Arg Leu Phe Gln Ile Ile Thr Val Val Thr Cys
 1          5          10          15
Leu Gln Phe Ile Gln Asp Cys Cys Ile His Ser Arg Gln Ile Asn Ser
          20          25          30
Leu Leu Glu Thr Ser Ser Leu Ser Arg Cys Leu Glu Val Pro Asp Val
          35          40          45
Cys *
 49

```

<210> 1731

<211> 227

<212> PRT

<213> Homo sapiens

<400> 1731

```

Met Gly Cys Asp Gly Arg Val Ser Gly Leu Leu Arg Arg Asn Leu Gln
 1          5          10          15
Pro Thr Leu Thr Tyr Trp Ser Val Phe Phe Ser Phe Gly Leu Cys Ile
          20          25          30
Ala Phe Leu Gly Pro Thr Leu Leu Asp Leu Arg Cys Gln Thr His Ser
          35          40          45
Ser Leu Pro Gln Ile Ser Trp Val Phe Phe Ser Gln Gln Leu Cys Leu
          50          55          60
Leu Leu Gly Ser Ala Leu Gly Gly Val Phe Lys Arg Thr Leu Ala Gln
          65          70          75          80
Ser Leu Trp Ala Leu Phe Thr Ser Ser Leu Ala Ile Ser Leu Val Phe
          85          90          95
Ala Val Ile Pro Phe Cys Arg Asp Val Lys Val Leu Ala Ser Val Met
          100          105          110
Ala Leu Ala Gly Leu Ala Met Gly Cys Ile Asp Thr Val Ala Asn Met
          115          120          125
Gln Leu Val Arg Met Tyr Gln Lys Asp Ser Ala Val Phe Leu Gln Val
          130          135          140
Leu His Phe Phe Val Gly Phe Gly Ala Leu Leu Ser Pro Leu Ile Ala
          145          150          155          160
Asp Pro Phe Leu Ser Glu Ala Asn Cys Leu Pro Ala Asn Ser Thr Gly
          165          170          175
Gln His His Leu Pro Arg Ala Thr Cys Ser Met Ser Pro Gly Cys Trp
          180          185          190
Gly Gln His His Val Asp Ala Gln Ala Leu Val Gln Pro Asp Val Pro
          195          200          205
Lys Ala Asp Ser Gln Gly Pro Gly Arg Glu Pro Glu Gly Pro Met Pro
          210          215          220
Ser Gly *
225 226

```

<210> 1732

<211> 102

<212> PRT

<213> Homo sapiens

<400> 1732

```

Met Val Ser Lys Phe Leu Leu Ser His Leu Val Leu Ala Val Pro Leu
 1          5          10          15
Arg Val Leu Leu Val Leu Trp Ala Leu Cys Val Gly Leu Ser Arg Val
          20          25          30
Met Ile Gly Arg His His Val Thr Asp Val Leu Ser Gly Phe Val Ile
          35          40          45
Gly Tyr Leu Gln Phe Arg Met Met Glu Lys Val Ser Met Gln Tyr Lys
          50          55          60
Thr Cys Arg Met Leu Ile Phe Val Trp Arg Arg Ala Arg Arg Pro Thr
          65          70          75          80
His Thr Phe Glu Gly Arg Leu Val Ser Lys Lys Gly Gln Asp Leu Ala
          85          90          95
Arg Trp Leu Ser Leu *
          100 101

```

<210> 1733

<211> 139

<212> PRT

<213> Homo sapiens

<400> 1733

```

Met Lys Phe Thr Thr Leu Leu Phe Leu Ala Ala Val Ala Gly Ala Leu
 1          5          10          15
Val Tyr Ala Glu Asp Ala Ser Ser Asp Ser Thr Gly Ala Asp Pro Ala
          20          25          30
Gln Glu Ala Gly Thr Ser Lys Pro Asn Glu Glu Ile Ser Gly Pro Ala
          35          40          45
Glu Pro Ala Ser Pro Pro Glu Thr Thr Thr Thr Ala Gln Glu Thr Ser
          50          55          60
Ala Ala Ala Val Gln Gly Thr Ala Lys Val Thr Ser Ser Arg Gln Glu
          65          70          75          80
Leu Asn Pro Leu Lys Ser Ile Val Glu Lys Ser Ile Leu Leu Thr Glu
          85          90          95
Gln Ala Leu Ala Lys Ala Gly Lys Gly Met His Gly Gly Val Pro Gly
          100          105          110
Gly Lys Gln Phe Ile Glu Asn Gly Ser Glu Phe Ala Gln Lys Leu Leu
          115          120          125
Lys Lys Phe Ser Leu Leu Lys Pro Trp Ala *
          130          135          138

```

<210> 1734

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1734

```

Met Val Arg Ala Ser Phe Leu Cys Cys Val His Arg Thr Leu Gly Pro
 1          5          10          15
Trp Asp Leu Ser His Met Glu Leu Gly Gln Leu Leu Gln Asn Ala Pro
          20          25          30
Ser Ala His Arg Gly Cys Leu Gly Val Trp Lys Glu Val Val Pro Lys

```

35 40 45
 Gln Leu Val Cys Trp Ile Leu Thr Phe Phe Phe *
 50 55 59

<210> 1735
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1735
 Met Cys Ala Cys Ala Val Arg Ala Leu Ser Leu Ala Gly Gly Ala Val
 1 5 10 15
 Leu Leu Ser Ser Leu Cys Ala Cys Ala Arg Ala Pro Arg Tyr Val Gly
 20 25 30
 Gly Glu Arg Arg Val Gln Ser Pro Ala Arg Pro Ala Asp Ser Val Ala
 35 40 45
 Arg Ile Ala Phe Ile Leu Phe Arg Phe Arg Thr Asp Leu Gln Ser Gly
 50 55 60
 Pro Ser Leu His Leu Gly Ile Cys *
 65 70 72

<210> 1736
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1736
 Met Met Ala Leu Phe Thr Gly Lys Leu Leu Gln Val Val Ser Lys Val
 1 5 10 15
 Leu Trp Leu Tyr Gln Thr Asn Phe Ser Leu His Thr His Tyr Ser Phe
 20 25 30
 Asn Arg Gly Gln Ile Phe Lys Arg Lys Thr Val Gln Asn Cys Arg His
 35 40 45
 Thr Cys Ala Asn Pro Gly Ser Val Glu Arg Leu Ile Trp Glu Phe Gln
 50 55 60 64
 *

<210> 1737
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1737
 Met Ile Gln Val Arg Asn Leu Ile Val Leu Val Cys Phe Leu Val Glu
 1 5 10 15
 Leu Leu Asn Val Pro Val Leu Phe Leu Tyr Ser Arg Gly Trp Gln Thr
 20 25 30
 Leu Thr His Gly Leu Thr Gln Leu Lys Thr Ala Phe Phe Leu *
 35 40 45 46

<210> 1738
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 1738
 Met Val Thr Gln Leu Thr Leu Glu Val Leu His Leu Ser Leu Val Val
 1 5 10 15
 Gly Gln Val Ser Asn Asn Leu Leu Leu His Ile Gly Pro Leu Ala Ser
 20 25 30
 Glu Gln Met Phe Tyr Ala Val Ala Thr Lys Ile Arg Asp Glu Asn Thr
 35 40 45
 Tyr Lys Ile Cys Thr Trp Leu Glu Ile Lys Val His His Val Leu Leu
 50 55 60
 His Ile Gln Gly Thr Leu Thr Cys Ser Tyr Leu Ser His Ser Glu Gln
 65 70 75 80
 Leu Val Phe Gln Ser Tyr Glu Tyr Val Asp Cys Arg Gly Asn Ala Ser
 85 90 95
 Val Pro His Gln Leu Thr Pro His Pro Pro *

<210> 1739
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 1739
 Met Val Leu Pro Pro His Lys Thr Val Gln Leu Pro Arg Leu His Leu
 1 5 10 15
 Val Trp Leu Trp Val Ser Gln Ala Trp Val Gly Gly Thr Val Leu His
 20 25 30
 Trp Leu Ala Ser Gln Gln Leu Cys Val Leu Val Pro Ala Ser Leu Thr
 35 40 45
 Met Ser Trp Asp Leu Glu Ala Arg Leu Gly Tyr Ile Leu Ala Trp Met
 50 55 60
 Ser Leu Gly Pro Cys Tyr Cys Cys Leu Phe Thr Ile Pro Thr Leu Leu
 65 70 75 80
 Glu Ile Ser Leu Ile Val Ser Leu Ala *

<210> 1740
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1740
 Met His Cys Val Leu Glu Ile Leu Val Ser Val Leu Gly Leu Thr His
 1 5 10 15
 His Leu Leu Leu Arg Asp Arg Asp His Tyr Arg Leu Val Arg Leu Met

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<210> 1741
<211> 49
<212> PRT
<213> Homo sapiens
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<210> 1742
<211> 87
<212> PRT
<213> Homo sapiens
```

```
<210> 1743
<211> 49
<212> PRT
<213> Homo sapiens
```

965

Gly Trp Leu Asn Glu Leu Lys Thr Ser Leu Lys Tyr Ile Arg Leu Arg
 35 40 45 48
 *

<210> 1744
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 1744
 Met Gly Val Ser Glu Leu Leu Leu Leu Lys Met Ile Ala Ser Val
 1 5 10 15
 Ile Phe Leu Tyr Ser Phe Ile Ser Met Phe Lys Thr Gln Leu Leu Cys
 20 25 30
 Ser Ser Ser Thr Ser His Gly Ile Leu Glu Ser Arg Ile Lys Cys His
 35 40 45
 Ala Asp Phe Tyr Leu Phe Cys Gln *
 50 55 56

<210> 1745
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1745
 Met Asn Gln Leu Ser Phe Leu Leu Phe Leu Ile Ala Thr Thr Arg Gly
 1 5 10 15
 Trp Ser Thr Asp Glu Ala Asn Thr Tyr Phe Leu Glu Cys Thr Cys Ser
 20 25 30
 Trp Ser Pro Ser Leu Pro Lys Ser Cys Pro Glu Ile Lys Asp Gln Cys
 35 40 45
 Pro Ser Ala Phe Asp Gly Leu Tyr Phe Ile Arg Thr Glu Asn Ala Val
 50 55 60
 Ile His His Thr Phe Cys Val Met Thr Ser Ala Gly Cys Phe Trp Ile
 65 70 75 80
 Leu Lys Val Thr Val His Asn Tyr Asp Leu Thr Thr Asp Thr Pro *
 85 90 95

<210> 1746
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1746
 Met Val Ile Ser Ala Ala Val Leu Ser Ser Ile Leu Cys Val Phe Leu
 1 5 10 15
 Ser Lys Leu Val Leu Met Asn Asp Glu Cys Leu Arg Leu Thr Phe Trp
 20 25 30
 Leu His Cys Asn Ala Lys His Tyr Arg Tyr Ser Met Leu Gly Phe Pro


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<210> 1747
<211> 49
<212> PRT
<213> Homo sapiens
```

```
<210> 1748
<211> 196
<212> PRT
<213> Homo sapiens
```

967

<210> 1749
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1749
 Met Leu Val Lys Val Val Tyr Val Met Gly Ala Ile Leu Lys Ile Phe
 1 5 10 15
 Leu Arg Glu Gly Asn Val Ile Asn Gln Arg Ser Gly Met Asp Ile Glu
 20 25 30
 Lys Tyr Ser Glu His Tyr Leu Ala Gln Gly Val Arg Trp *
 35 40 45

<210> 1750
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1750
 Met Glu Leu Val Arg Arg Leu Met Pro Leu Thr Leu Leu Ile Leu Ser
 1 5 10 15
 Cys Leu Ala Glu Leu Thr Met Ala Glu Ala Glu Gly Asn Ala Ser Cys
 20 25 30
 Thr Val Ser Leu Gly Gly Ala Asn Met Ala Glu Thr His Lys Ala Met
 35 40 45
 Ile Leu Gln Leu Asn Pro Ser Glu Asn Cys Thr Trp Thr Ile Glu Arg
 50 55 60
 Pro Glu Asn Lys Ser Ile Arg Ile Ile Phe Cys Tyr Val Gln Leu Gly
 65 70 75 80
 Ser Glu
 82

<210> 1751
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1751
 Met Gly Ser Val Phe Trp His Val Leu Phe Cys Ile Ser Gly Val Cys
 1 5 10 15
 Leu Trp Cys Ala His Arg Met Ala Ala Phe Leu Gln Gln Met Ala Val
 20 25 30
 Leu Leu Pro Val Asp Cys Glu Arg Pro Ala Ala Val His Trp Leu Ala
 35 40 45
 Leu Cys Gly Cys Cys Tyr Gly Gln Leu Val Trp Glu Ser Arg Thr Arg
 50 55 60
 Ser Cys Phe Trp Ser Leu Glu Cys Leu Cys Phe Gly Gly Gln His Phe
 65 70 75 80
 Gly Ser Val Pro Ser Phe Phe Cys Ser Ser Val Trp Leu *
 85 90 93

<210> 1752
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 1752
 Met Asp Thr Trp Leu Val Cys Trp Ala Ile Phe Ser Leu Leu Lys Ala
 1 5 10 15
 Gly Leu Thr Glu Pro Glu Val Thr Gln Thr Pro Ser His Gln Val Thr
 20 25 30
 Gln Met Gly Gln Glu Val Ile Leu Arg Cys Val Pro Ile Ser Asn His
 35 40 45
 Leu Tyr Phe Tyr Trp Tyr Arg Gln Ile Leu Gly Gln Lys Val Glu Phe
 50 55 60
 Leu Val Ser Phe Tyr Asn Asn Glu Ile Ser Glu Lys Ser Glu Ile Phe
 65 70 75 80
 Asp Asp Gln Phe Ser Val Glu Arg Pro Asp Gly Ser Asn Phe Thr Leu
 85 90 95
 Lys Ile Arg Ser Thr Lys Leu Glu Asp Ser Ala Met Tyr Phe Cys Ala
 100 105 110
 Ser Ser Glu Arg Gly Ser Gly Ala Asn Val Leu Thr Phe Gly Ala Gly
 115 120 125
 Ser Arg Leu Thr Val Leu Glu Asp Leu Lys Asn Val Phe Pro Pro
 130 135 140 143

<210> 1753
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 1753
 Met Val Cys Arg Leu Pro Cys Thr Leu Leu Pro Trp Pro Leu Lys His
 1 5 10 15
 Lys Gln Gly Ala Leu Leu Tyr Ile Cys Pro Ala Ser Leu Pro Ala Phe
 20 25 30
 Asn Pro Arg Asn Leu Ser Val Tyr Leu Leu Phe Ser Ala Ser Glu Ser
 35 40 45
 Leu Pro Leu Lys Ser Glu Gln Ala Arg Pro Gly Gly Ser Arg Leu *
 50 55 60 63

<210> 1754
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 1754
 Met Val Leu Gln Thr His Ala Phe Ile Ser Leu Leu Leu Trp Ile Ser
 1 5 10 15
 Gly Ala Cys Gly Asp Ile Val Met Thr His Ser Pro Asp Ser Leu Ala
 20 25 30

Val Ser Leu Gly Glu Thr Ala Thr Ile Asp Cys Arg Ser Ser Gln Ser
 35 40 45
 Val Leu Tyr His Ala Asn Asn Lys Asn Tyr Leu Thr Trp Tyr Gln Gln
 50 55 60
 Arg Pro Arg Gln Ser Pro Lys Val Leu Ile Phe Trp Ala Ser Thr Arg
 65 70 75 80
 Glu Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp
 85 90 95
 Tyr Ser Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Thr Tyr
 100 105 110
 Tyr Cys Gln Gln Tyr Tyr Asp Ser Pro Ile Thr Phe
 115 120 124

<210> 1755
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1755
 Met Gln Ala Thr Ser Asn Leu Leu Asn Leu Leu Leu Leu Ser Leu Phe
 1 5 10 15
 Ala Gly Leu Asn Pro Ser Lys Thr His Ile Asn Pro Lys Glu Gly Trp
 20 25 30
 Gln Val Tyr Ser Ser Ala Gln Asp Pro Asp Gly Arg Gly Ile Cys Thr
 35 40 45
 Val Val Ala Pro Glu Gln Asn Leu Cys Ser Arg Asp Ala Lys Ser Arg
 50 55 60
 Gln Leu Arg Gln Leu Leu Glu Lys Val Gln Asn Met Ser Gln Ser Ile
 65 70 75 80
 Glu Val Leu Asn Leu Arg Thr Gln Arg Asp Phe Gln Tyr Val Leu Lys
 85 90 95
 Met Glu Thr Gln Met Lys Gly Leu Lys Ala Lys Phe Arg Gln Ile
 100 105 110 111

<210> 1756
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1756
 Met Leu Pro Arg Leu Val Leu Ser Ser Trp Pro Gln Ser Ile Phe Leu
 1 5 10 15
 Pro Arg Phe Trp Asn Tyr Arg Cys Glu Pro Pro Cys Leu Ala Cys Phe
 20 25 30
 Asp Ile Phe Tyr Ser Val Leu Ile Thr Asn Ser Leu His Met Pro Glu
 35 40 45
 Tyr Lys Ser Lys Cys Tyr Leu Leu Phe Arg Trp Glu Leu Gln Lys Leu
 50 55 60
 His Gln Lys Tyr Ala Leu Arg Tyr Ile *
 65 70 73

<210> 1757
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1757
 Met Glu Asn Val Asn Leu Lys Ala Ser Tyr Leu Gln Phe Ser Lys Leu
 1 5 10 15
 Met Ala Gly Lys Gly Trp Ala Leu Phe Ile Ala Leu Thr Phe Ser Gln
 20 25 30
 Arg Leu Leu Pro Cys Leu Ala Ile Ile Glu Ile Ile Asn Val Gly Val
 35 40 45
 Glu *
 49

<210> 1758
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1758
 Met Ala Trp Ile Pro Leu Phe Leu Gly Val Leu Ala Tyr Cys Thr Glu
 1 5 10 15
 Ser Val Ala Ser Tyr Glu Leu Phe Gln Pro Pro Ser Val Ser Val Ser
 20 25 30
 Pro Gly Gln Thr Ala Thr Phe Thr Cys Ser Gly Asp Asp Leu Gly Asn
 35 40 45
 Lys Tyr Ile Cys Trp Tyr Leu Gln Lys Pro Gly Gln Pro Pro Val Val
 50 55 60
 Leu Met Tyr Gln Asp Asn Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe
 65 70 75 80
 Ser Gly Ser Asn Ser Gly Ser Thr Ala Thr Leu Thr Ile Ser Gly Thr
 85 90 95
 Gln Ala Thr Asp Glu Ala Leu Tyr Phe Cys Gln Ala Trp Asp Thr Asn
 100 105 110
 Gly Ala Val Phe Gly Gly Gly Thr Gln Leu Thr
 115 120 123

<210> 1759
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 1759
 Met Arg Trp Arg Thr Ile Leu Leu Gln Tyr Cys Phe Leu Leu Ile Thr
 1 5 10 15
 Cys Leu Leu Thr Ala Leu Glu Ala Val Pro Ile Asp Ile Asp Lys Thr
 20 25 30
 Lys Val Gln Asn Ile His Pro Val Glu Ser Ala Lys Ile Glu Pro Pro
 35 40 45
 Asp Thr Gly Leu Tyr Tyr Asp Glu Ile Val Leu Glu Glu Leu Gly Gly
 50 55 60

Pro Cys Leu Tyr Leu Glu Gly Asn Pro Thr *
 65 70 74

<210> 1760
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 1760
 Met Arg Leu Pro Asp Val Gln Leu Trp Leu Val Leu Leu Trp Ala Leu
 1 5 10 15
 Val Arg Ala Gln Gly Thr Gly Ser Val Cys Pro Ser Cys Gly Gly Ser
 20 25 30
 Lys Leu Ala Pro Gln Ala Glu Arg Ala Leu Val Leu Glu Leu Ala Lys
 35 40 45
 Gln Gln Ile Leu Asp Gly Leu His Leu Thr Ser Arg Pro Arg Ile Thr
 50 55 60
 His Pro Pro Pro Gln Ala Ala Leu Thr Arg Ala Leu Arg Arg Leu Gln
 65 70 75 80
 Pro Gly Ser Val Ala Pro Gly Asn Gly Glu Glu Val Ile Ser Phe Ala
 85 90 95
 Thr Val Thr Asp Ser Thr Ser Ala Tyr Ser Ser Leu Leu Thr Phe His
 100 105 110
 Leu Ser Thr Pro Arg Ser His His Leu Tyr
 115 120 122

<210> 1761
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 1761
 Met Arg Val Arg Ile Gly Leu Thr Leu Leu Leu Cys Ala Val Leu Leu
 1 5 10 15
 Ser Leu Ala Ser Ala Ser Ser Asp Glu Glu Gly Ser Gln Asp Glu Ser
 20 25 30
 Leu Asp Ser Lys Thr Thr Leu Thr Ser Asp Glu Ser Val Lys Asp His
 35 40 45
 Thr Thr Ala Gly Arg Val Val Ala Gly Gln Ile Phe Leu Asp Ser Glu
 50 55 60
 Glu Ser Glu Leu Glu Ser Ser Ile Gln Glu Glu Glu Asp Ser Leu Lys
 65 70 75 80
 Ser Gln Glu Gly Glu Ser Val Thr Glu Asp Ile Ser Phe Leu Glu Ser
 85 90 95
 Pro Asn Pro Glu Asn Lys Asp Tyr Glu Glu Pro Lys Lys Val Arg Lys
 100 105 110
 Pro Gly Ser Leu Asp Ile Phe Leu Ala Phe *
 115 120 122

<210> 1762
 <211> 145

<212> PRT

<213> Homo sapiens

<221> misc_feature

<222> (1)...(145)

<223> Xaa = any amino acid or nothing

<400> 1762

```

Met Ala Leu Ala Ala Leu Met Ile Ala Leu Gly Ser Leu Gly Leu His
 1           5           10           15
Thr Trp Gln Ala Gln Ala Val Pro Thr Ile Leu Pro Leu Gly Leu Ala
           20           25           30
Pro Asp Thr Phe Asp Asp Thr Tyr Val Gly Cys Ala Glu Glu Met Glu
           35           40           45
Glu Lys Ala Ala Pro Leu Leu Lys Glu Glu Met Ala His His Ala Leu
           50           55           60
Leu Arg Glu Ser Trp Glu Ala Ala Gln Glu Thr Trp Glu Asp Lys Arg
           65           70           75           80
Arg Gly Leu Thr Leu Pro Pro Gly Phe Lys Ala Gln Asn Gly Ile Ala
           85           90           95
Ile Met Val Tyr Thr Asn Ser Ser Asn Thr Leu Tyr Trp Glu Leu Asn
           100          105          110
Xaa Ala Val Arg Thr Gly Gly Gly Ser Arg Glu Leu Tyr Met Arg His
           115          120          125
Phe Pro Phe Lys Ala Leu His Phe Tyr Leu Ile Arg Ala Leu Gln Leu
           130          135          140
Leu
145

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<210> 1763

<211> 257

<212> PRT

<213> Homo sapiens

<400> 1763

```

Met Lys Arg Glu Arg Gly Ala Leu Ser Arg Ala Ser Arg Ala Leu Arg
 1           5           10           15
Leu Ala Pro Phe Val Tyr Leu Leu Leu Ile Gln Thr Asp Pro Leu Glu
           20           25           30
Gly Val Asn Ile Thr Ser Pro Val Arg Leu Ile His Gly Thr Val Gly
           35           40           45
Lys Ser Ala Leu Leu Ser Val Gln Tyr Ser Ser Thr Ser Ser Asp Arg
           50           55           60
Pro Val Val Lys Trp Gln Leu Lys Arg Asp Lys Pro Val Thr Val Val
           65           70           75           80
Gln Ser Ile Gly Thr Glu Val Ile Gly Thr Leu Arg Pro Asp Tyr Arg
           85           90           95
Asp Arg Ile Arg Leu Phe Glu Asn Gly Ser Leu Leu Leu Ser Asp Leu
           100          105          110
Gln Leu Ala Asp Glu Gly Thr Tyr Glu Val Glu Ile Ser Ile Thr Asp
           115          120          125
Asp Thr Phe Thr Gly Glu Lys Thr Ile Asn Leu Thr Val Asp Val Pro
           130          135          140
Ile Ser Arg Pro Gln Val Leu Gly Ala Ser Thr Thr Val Leu Glu Leu
           145          150          155          160

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Ser Glu Ala Phe Thr Leu Asn Cys Ser His Glu Asn Gly Thr Lys Pro
      165                      170                      175
Ser Tyr Thr Trp Leu Lys Asp Gly Lys Pro Leu Leu Asn Asp Ser Arg
      180                      185                      190
Met Leu Leu Ser Pro Asp Gln Lys Val Leu Thr Ile Thr Arg Val Leu
      195                      200                      205
Met Glu Asp Asp Asp Leu Tyr Ser Cys Val Val Glu Asn Pro Ile Asn
      210                      215                      220
Gln Gly Arg Thr Leu Pro Cys Lys Ile Thr Glu Tyr Arg Lys Ser Ser
      225                      230                      235                      240
Leu Ser Ser Ile Trp Leu Gln Glu Ala Phe Ser Ser Leu Gly Pro Trp
      245                      250                      255 256

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<210> 1764
<211> 166
<212> PRT
<213> Homo sapiens

```

```

<221> misc_feature
<222> (1)...(166)
<223> Xaa = any amino acid or nothing

```

```

<400> 1764
Met Ala Leu Lys Val Leu Leu Glu Gln Glu Lys Thr Phe Phe Thr Leu
  1      5      10      15
Leu Val Leu Leu Gly Tyr Leu Ser Cys Lys Val Thr Cys Glu Ser Gly
      20      25      30
Asp Cys Arg Gln Gln Glu Phe Arg Asp Arg Ser Gly Asn Cys Val Pro
      35      40      45
Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe
      50      55      60
Gly Tyr Gly Glu Asp Ala Gln Cys Val Thr Cys Arg Leu His Arg Phe
      65      70      75      80
Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Leu Asp Cys Ala
      85      90      95
Val Val Asn Arg Phe Gln Lys Ala Asn Cys Ser Ala Thr Ser Asp Ala
      100     105     110
Ile Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val
      115     120     125
Gly Phe Gln Asp Met Glu Trp Trp Xaa Ala Leu Val Gly Arg Thr Pro
      130     135     140
Phe Leu Pro Ser Leu Tyr Gly Asn Pro Ala Leu Gly Cys Gln Pro Arg
      145     150     155     160
Val Gln Thr Phe Gly Glu
      165 166

```

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<210> 1765
<211> 90
<212> PRT
<213> Homo sapiens

```

<400> 1765

```

Met Ser Cys Ser Cys Pro Pro Cys Phe Phe Thr Leu Phe Leu His Ser
 1          5          10          15
Ile Cys Gln Asp Ile Ser Trp Phe His Pro Gln Thr Pro Thr Leu Asp
          20          25          30
Ser Leu Leu Asn Trp Ile Asp Asp Leu Ile Phe Tyr Gly Thr Leu Tyr
          35          40          45
Asn Phe Phe Pro Glu Glu Thr Pro Leu Phe Thr Phe Leu Leu Thr Leu
          50          55          60
Tyr Leu Ser Leu Leu Leu Leu Trp Leu Pro Gly Met Ala Ala Leu Pro
          65          70          75          80
Leu Ala Val Met Pro Asn Tyr Leu Tyr Lys
          85          90

```

<210> 1766

<211> 57

<212> PRT

<213> Homo sapiens

<400> 1766

```

Met Pro Ala Leu Arg Pro Ala Leu Leu Trp Ala Leu Leu Ser Leu Trp
 1          5          10          15
Leu Cys Cys Ala Thr Pro Ala Pro Ala Leu Gln Cys Pro Glu Gly Tyr
          20          25          30
Glu Pro Ser Pro Leu Asp Arg Lys Cys Ala Pro Tyr Pro Asn Val Arg
          35          40          45
Arg Ser Cys Pro Cys Pro Glu Gly Phe
          50          55          57

```

<210> 1767

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1767

```

Met Val Phe Leu Tyr Gly Phe Val Phe Ile Lys Lys Ala Gln Leu Ile
 1          5          10          15
Val Val Leu Leu Phe Thr Asp Val Ala Gln Arg Thr Ala Ala Gly Arg
          20          25          30
Pro Pro Thr Pro Val Leu Gly Pro Pro Ser Pro Glu Cys Cys Leu Leu
          35          40          45
Phe Met Glu Gly Glu Gln Trp Ile Leu Gly Thr Thr Gly Gln Ala
          50          55          60          63

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<210> 1768

<211> 174

<212> PRT

<213> Homo sapiens

<400> 1768

```

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
 1          5          10          15
Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
          20          25          30
Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
          35          40          45
Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
          50          55          60
Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
          65          70          75          80
Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr
          85          90          95
Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly
          100          105          110
Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys
          115          120          125
Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn
          130          135          140
Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys
          145          150          155          160
Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Asp Val *
          165          170          173

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<210> 1769
<211> 78
<212> PRT
<213> Homo sapiens

```

```

<400> 1769
Met Leu Cys Leu Cys Arg Phe Ala Cys Ser Arg Arg Phe Thr Ala Met
 1          5          10          15
Gly Leu Phe Cys Leu Ala Ser Leu Thr Leu His His Ile Phe Lys Val
          20          25          30
His Pro Ser Cys Ser Val Ser Val Pro Pro Gly Phe Ser Leu Leu Ser
          35          40          45
Ser Ala Arg Cys Met Asp Arg Pro Arg Cys Ala His Leu Phe Ala Leu
          50          55          60
Met Gly Pro Cys Leu Gly Leu Ser Thr Phe Gly Arg Leu *
          65          70          75          77

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<210> 1770
<211> 149
<212> PRT
<213> Homo sapiens

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<400> 1770
Met Leu Val Thr Leu Gly Leu Leu Thr Ser Phe Phe Ser Phe Leu Tyr
 1          5          10          15
Met Val Ala Pro Ser Ile Arg Lys Phe Phe Ala Gly Gly Val Cys Arg
          20          25          30
Thr Asn Val Gln Leu Pro Gly Lys Val Val Val Ile Thr Gly Ala Asn
          35          40          45
Thr Gly Ile Gly Lys Glu Thr Ala Arg Glu Leu Ala Ser Arg Gly Ala

```

50	55	60
Arg Val Tyr Ile Ala Cys	Arg Asp Val Leu Lys	Gly Glu Ser Ala Ala
65	70	75
Ser Glu Ile Arg Val Asp	Thr Lys Asn Ser Gln	Val Leu Val Arg Lys
85	90	95
Leu Asp Leu Ser Asp Thr	Lys Ser Ile Arg Ala	Phe Ala Glu Gly Phe
100	105	110
Leu Ala Glu Glu Lys Gln	Leu His Ile Leu Ile	Asn Asn Ala Gly Val
115	120	125
Met Met Cys Pro Tyr Ser	Lys Thr Ala Asp Gly	Phe Glu Thr His Leu
130	135	140
Gly Val Asn His Leu		
145	149	

<210> 1771
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1771
Met Met Thr Leu Leu Arg Arg Gln Glu Arg Phe Pro Gly Ile Thr Phe
1 5 10 15
Trp Leu Leu Ile Gln Leu Leu Gln Gln Ile Leu Ile Ser Tyr His Gln
20 25 30
Gly Ser Leu Thr Phe Met Glu Asn Gly Asn Cys Leu Leu Gln Leu Phe
35 40 45
Gln Leu Gly Lys Leu Leu Val Gln Ala Ser His Leu His Gly Gln Leu
50 55 60
Leu Val Phe Val Gln Lys Ile Ile Ile Ser Met *
65 70 75

<210> 1772
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 1772
Met Gly Ser Thr Lys His Trp Gly Glu Trp Leu Leu Asn Leu Lys Val
1 5 10 15
Ala Pro Ala Gly Val Phe Gly Val Ala Phe Leu Ala Arg Val Ala Leu
20 25 30
Val Phe Tyr Gly Val Phe Gln Asp Arg Thr Leu His Val Arg Tyr Thr
35 40 45
Asp Ile Asp Tyr Gln Val Phe Thr Asp Ala Ala Arg Phe Val Thr Glu
50 55 60
Gly Arg Ser Pro Tyr Leu Arg Ala Thr Tyr Arg Tyr Thr Pro Leu Leu
65 70 75 80
Gly Trp Leu Leu Thr Pro Asn Ile Tyr Leu Ser Glu Leu Phe Gly Lys
85 90 95
Phe Leu Phe Ile Ser Cys Asp Leu Leu Thr Ala Phe Leu Leu Tyr Arg
100 105 110
Leu Leu Leu Lys Gly Leu Gly Arg Arg Gln Ala Cys Gly Tyr Cys
115 120 125 128